# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070518\
Data File : BN001969.D
Acq On : 05 Jul 2018 16:09
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_N
**LabSampleId :** SSTD02088

Quant Time: Jul 05 16:41:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 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 | 116 | 0.00 |
| 2 | | 1,4-Dioxane | 0.474 | 0.456 | 3.8 | 113 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.460 | 0.455 | 1.1 | 114 | 0.00 |
| 4 | | Benzaldehyde | 1.105 | 1.195 | -8.1 | 119 | 0.00 |
| 5 | S | Phenol-d5 | 1.810 | 1.860 | -2.8 | 119 | 0.00 |
| 6 | | Phenol | 1.825 | 1.893 | -3.7 | 119 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.117 | 1.141 | -2.1 | 118 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.415 | 1.441 | -1.8 | 117 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.435 | 1.476 | -2.9 | 119 | 0.00 |
| 10 | | 2-Chlorophenol | 1.453 | 1.473 | -1.4 | 119 | 0.00 |
| 11 | | 2-Methylphenol | 1.396 | 1.445 | -3.5 | 120 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.220 | 2.325 | -4.7 | 119 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.450 | 1.496 | -3.2 | 119 | 0.00 |
| 14 | | Acetophenone | 2.227 | 2.299 | -3.2 | 116 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.148 | 1.193 | -3.9 | 118 | 0.00 |
| 16 | | 4-Methylphenol | 1.521 | 1.580 | -3.9 | 118 | 0.00 |
| 17 | | Hexachloroethane | 0.573 | 0.558 | 2.6 | 114 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.149 | 0.162 | -8.7 | 125 | 0.00 |
| 20 | | Nitrobenzene | 0.365 | 0.382 | -4.7 | 122 | 0.00 |
| 21 | | Isophorone | 0.716 | 0.728 | -1.7 | 116 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.154 | 0.179 | -16.2 | 134 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.167 | 0.188 | -12.6 | 127 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.377 | 0.384 | -1.9 | 117 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.451 | 0.453 | -0.4 | 116 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.328 | 0.344 | -4.9 | 120 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.319 | 0.332 | -4.1 | 119 | 0.00 |
| 28 | | Naphthalene | 1.061 | 1.065 | -0.4 | 116 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.340 | 0.452 | -32.9# | 156# | 0.00 |
| 30 | | 4-Chloroaniline | 0.336 | 0.445 | -32.4# | 154# | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.195 | 0.194 | 0.5 | 116 | 0.00 |
| 32 | | Caprolactam | 0.111 | 0.112 | -0.9 | 118 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.351 | 0.364 | -3.7 | 118 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.770 | 0.775 | -0.6 | 116 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.650 | 0.663 | -2.0 | 116 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.396 | 0.339 | 14.4 | 99 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.424 | 0.448 | -5.7 | 118 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.451 | 0.471 | -4.4 | 116 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.661 | 1.697 | -2.2 | 115 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.297 | 1.315 | -1.4 | 115 | 0.00 |
| 42 | | 2-Nitroaniline | 0.362 | 0.410 | -13.3 | 123 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.689 | 1.671 | 1.1 | 112 | 0.00 |
| 44 | | Dimethylphthalate | 1.660 | 1.648 | 0.7 | 112 | 0.00 |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.313 | 0.352 | -12.5 | 122 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.085 | 2.119 | -1.6 | 114 | 0.00 |
| 47 | | Acenaphthylene | 2.013 | 2.065 | -2.6 | 114 | 0.00 |
| 48 | | 3-Nitroaniline | 0.301 | 0.370 | -22.9# | 140 | 0.00 |
| 49 | C | Acenaphthene | 1.396 | 1.414 | -1.3 | 115 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.161 | 0.173 | -7.5 | 148 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.311 | 0.319 | -2.6 | 118 | 0.00 |
| 52 | | 4-Nitrophenol | 0.231 | 0.226 | 2.2 | 112 | 0.00 |
| 53 | | Dibenzofuran | 2.003 | 2.003 | 0.0 | 113 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.466 | 0.511 | -9.7 | 120 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.398 | 0.419 | -5.3 | 117 | 0.00 |
| 56 | | Diethylphthalate | 1.682 | 1.662 | 1.2 | 111 | 0.00 |
| 57 | S | Fluorene-d10 | 1.480 | 1.476 | 0.3 | 114 | 0.00 |
| 58 | | Fluorene | 1.598 | 1.613 | -0.9 | 114 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.801 | 0.794 | 0.9 | 113 | 0.00 |
| 60 | | 4-Nitroaniline | 0.372 | 0.394 | -5.9 | 119 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.109 | 0.116 | -6.4 | 128 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.116 | 0.124 | -6.9 | 126 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.598 | 0.619 | -3.5 | 114 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.217 | 0.222 | -2.3 | 112 | 0.00 |
| 66 | | Hexachlorobenzene | 0.245 | 0.243 | 0.8 | 110 | 0.00 |
| 67 | | Atrazine | 0.218 | 0.219 | -0.5 | 110 | 0.00 |
| 68 | C | Pentachlorophenol | 0.135 | 0.140 | -3.7 | 120 | 0.00 |
| 69 | | Phenanthrene | 1.127 | 1.134 | -0.6 | 112 | 0.00 |
| 70 | S | Anthracene-d10 | 0.966 | 0.984 | -1.9 | 112 | 0.00 |
| 71 | | Anthracene | 1.140 | 1.162 | -1.9 | 112 | 0.00 |
| 72 | | Carbazole | 0.955 | 1.034 | -8.3 | 111 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.206 | 1.235 | -2.4 | 109 | 0.00 |
| 74 | C | Fluoranthene | 1.184 | 1.292 | -9.1 | 109 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 76 | S | Pyrene-d10 | 1.008 | 1.144 | -13.5 | 108 | 0.00 |
| 77 | | Pyrene | 1.252 | 1.425 | -13.8 | 107 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.534 | 0.607 | -13.7 | 107 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.380 | 0.426 | -12.1 | 111 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.264 | 1.300 | -2.8 | 100 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.796 | 0.847 | -6.4 | 100 | 0.00 |
| 82 | | Chrysene | 1.176 | 1.213 | -3.1 | 100 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.326 | 1.691 | -27.5# | 102 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.263 | 1.337 | -5.9 | 94 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.225 | 1.263 | -3.1 | 91 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 1.088 | 1.108 | -1.8 | 91 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.180 | 1.207 | -2.3 | 93 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.256 | 1.257 | -0.1 | 96 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.045 | 1.073 | -2.7 | 98 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.036 | 1.003 | 3.2 | 94 | 0.00 |

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