# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_N\Data\BN032218\
Data File : BN000544.D
Acq On : 22 Mar 2018 17:20
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_N
**LabSampleId :** SSTD02027

Quant Time: Mar 23 02:25:31 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 23 02:22:02 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 | 73 | 0.00 |
| 2 | | 1,4-Dioxane | 0.603 | 0.532 | 11.8 | 71 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.560 | 0.496 | 11.4 | 70 | 0.00 |
| 4 | | Benzaldehyde | 0.761 | 0.808 | -6.2 | 72 | 0.00 |
| 5 | S | Phenol-d5 | 1.866 | 1.924 | -3.1 | 75 | 0.00 |
| 6 | | Phenol | 1.904 | 1.983 | -4.1 | 75 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.076 | 1.080 | -0.4 | 73 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.511 | 1.520 | -0.6 | 73 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.411 | 1.418 | -0.5 | 75 | 0.00 |
| 10 | | 2-Chlorophenol | 1.440 | 1.445 | -0.3 | 75 | 0.00 |
| 11 | | 2-Methylphenol | 1.396 | 1.465 | -4.9 | 75 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.628 | 1.624 | 0.2 | 71 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.453 | 1.550 | -6.7 | 76 | 0.00 |
| 14 | | Acetophenone | 2.160 | 2.300 | -6.5 | 74 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.130 | 1.153 | -2.0 | 73 | 0.00 |
| 16 | | 4-Methylphenol | 1.495 | 1.589 | -6.3 | 75 | 0.00 |
| 17 | | Hexachloroethane | 0.601 | 0.586 | 2.5 | 74 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.162 | 0.155 | 4.3 | 73 | 0.00 |
| 20 | | Nitrobenzene | 0.401 | 0.390 | 2.7 | 75 | 0.00 |
| 21 | | Isophorone | 0.764 | 0.759 | 0.7 | 73 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.168 | 0.161 | 4.2 | 73 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.181 | 0.179 | 1.1 | 75 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.390 | 0.390 | 0.0 | 75 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.483 | 0.474 | 1.9 | 74 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.302 | 0.309 | -2.3 | 77 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.293 | 0.301 | -2.7 | 77 | 0.00 |
| 28 | | Naphthalene | 1.050 | 1.032 | 1.7 | 75 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.310 | 0.401 | -29.4# | 74 | 0.00 |
| 30 | | 4-Chloroaniline | 0.314 | 0.402 | -28.0# | 74 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.162 | 0.164 | -1.2 | 78 | 0.00 |
| 32 | | Caprolactam | 0.107 | 0.117 | -9.3 | 76 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.344 | 0.372 | -8.1 | 78 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.701 | 0.713 | -1.7 | 76 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.601 | 0.578 | 3.8 | 78 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.313 | 0.331 | -5.8 | 94 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.408 | 0.406 | 0.5 | 79 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.425 | 0.425 | 0.0 | 79 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.703 | 1.627 | 4.5 | 76 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.312 | 1.259 | 4.0 | 77 | 0.00 |
| 42 | | 2-Nitroaniline | 0.398 | 0.393 | 1.3 | 76 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.580 | 1.599 | -1.2 | 78 | 0.00 |
| 44 | | Dimethylphthalate | 1.563 | 1.579 | -1.0 | 77 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.315 | 0.320 | -1.6 | 77 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.084 | 2.043 | 2.0 | 77 | 0.00 |
| 47 | | Acenaphthylene | 2.042 | 1.997 | 2.2 | 77 | 0.00 |
| 48 | | 3-Nitroaniline | 0.304 | 0.351 | -15.5 | 79 | 0.00 |
| 49 | C | Acenaphthene | 1.392 | 1.360 | 2.3 | 77 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.149 | 0.184 | -23.5# | 104 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.293 | 0.291 | 0.7 | 74 | 0.01 |
| 52 | | 4-Nitrophenol | 0.227 | 0.238 | -4.8 | 78 | 0.01 |
| 53 | | Dibenzofuran | 1.891 | 1.871 | 1.1 | 77 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.447 | 0.477 | -6.7 | 79 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.325 | 0.332 | -2.2 | 78 | 0.00 |
| 56 | | Diethylphthalate | 1.595 | 1.648 | -3.3 | 78 | 0.00 |
| 57 | S | Fluorene-d10 | 1.346 | 1.346 | 0.0 | 77 | 0.00 |
| 58 | | Fluorene | 1.503 | 1.505 | -0.1 | 78 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.694 | 0.702 | -1.2 | 78 | 0.00 |
| 60 | | 4-Nitroaniline | 0.342 | 0.389 | -13.7 | 88 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.115 | 0.093 | 19.1 | 67 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.121 | 0.100 | 17.4 | 68 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.659 | 0.615 | 6.7 | 77 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.204 | 0.197 | 3.4 | 80 | 0.00 |
| 66 | | Hexachlorobenzene | 0.215 | 0.214 | 0.5 | 82 | 0.00 |
| 67 | | Atrazine | 0.199 | 0.218 | -9.5 | 81 | 0.00 |
| 68 | C | Pentachlorophenol | 0.114 | 0.089 | 21.9 | 65 | 0.00 |
| 69 | | Phenanthrene | 1.152 | 1.114 | 3.3 | 80 | 0.00 |
| 70 | S | Anthracene-d10 | 0.961 | 0.942 | 2.0 | 80 | 0.00 |
| 71 | | Anthracene | 1.181 | 1.149 | 2.7 | 80 | 0.00 |
| 72 | | Carbazole | 1.013 | 1.064 | -5.0 | 82 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.378 | 1.377 | 0.1 | 80 | 0.00 |
| 74 | C | Fluoranthene | 1.145 | 1.260 | -10.0 | 83 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 76 | S | Pyrene-d10 | 1.104 | 1.016 | 8.0 | 85 | 0.00 |
| 77 | | Pyrene | 1.461 | 1.299 | 11.1 | 83 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.726 | 0.677 | 6.7 | 85 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.391 | 0.366 | 6.4 | 79 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.333 | 1.255 | 5.9 | 88 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 1.053 | 0.979 | 7.0 | 85 | 0.00 |
| 82 | | Chrysene | 1.249 | 1.169 | 6.4 | 87 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.683 | 1.662 | 1.2 | 88 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.264 | 1.234 | 2.4 | 99 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.220 | 1.144 | 6.2 | 91 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.944 | 0.932 | 1.3 | 97 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.189 | 1.143 | 3.9 | 95 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.282 | 1.186 | 7.5 | 97 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.068 | 1.001 | 6.3 | 97 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.066 | 0.950 | 10.9 | 95 | 0.01 |

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