# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011018\
Data File : BM013565.D
Acq On : 10 Jan 2018 14:55
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02015

Quant Time: Jan 10 15:49:17 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 10 13:12:38 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 | 83 | 0.00 |
| 2 | | 1,4-Dioxane | 0.554 | 0.596 | -7.6 | 94 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.506 | 0.538 | -6.3 | 90 | 0.00 |
| 4 | | Benzaldehyde | 1.063 | 1.169 | -10.0 | 85 | 0.00 |
| 5 | S | Phenol-d5 | 1.535 | 1.456 | 5.1 | 83 | 0.00 |
| 6 | | Phenol | 1.540 | 1.513 | 1.8 | 84 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.930 | 0.940 | -1.1 | 84 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.205 | 1.181 | 2.0 | 85 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.251 | 1.279 | -2.2 | 84 | 0.00 |
| 10 | | 2-Chlorophenol | 1.247 | 1.278 | -2.5 | 87 | 0.00 |
| 11 | | 2-Methylphenol | 1.135 | 1.084 | 4.5 | 82 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.226 | 1.192 | 2.8 | 82 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.180 | 1.159 | 1.8 | 85 | 0.00 |
| 14 | | Acetophenone | 1.953 | 1.913 | 2.0 | 84 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.953 | 0.976 | -2.4 | 89 | 0.00 |
| 16 | | 4-Methylphenol | 1.214 | 1.206 | 0.7 | 85 | 0.00 |
| 17 | | Hexachloroethane | 0.607 | 0.614 | -1.2 | 87 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.155 | 0.159 | -2.6 | 87 | 0.00 |
| 20 | | Nitrobenzene | 0.401 | 0.396 | 1.2 | 85 | 0.00 |
| 21 | | Isophorone | 0.648 | 0.637 | 1.7 | 84 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.164 | 0.162 | 1.2 | 84 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.171 | 0.177 | -3.5 | 89 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.360 | 0.369 | -2.5 | 87 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.395 | 0.394 | 0.3 | 83 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.317 | 0.325 | -2.5 | 86 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.305 | 0.305 | 0.0 | 84 | 0.00 |
| 28 | | Naphthalene | 0.995 | 1.005 | -1.0 | 87 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.275 | 0.255 | 7.3 | 87 | 0.00 |
| 30 | | 4-Chloroaniline | 0.273 | 0.255 | 6.6 | 90 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.251 | 0.259 | -3.2 | 89 | 0.00 |
| 32 | | Caprolactam | 0.085 | 0.082 | 3.5 | 84 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.309 | 0.304 | 1.6 | 86 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.742 | 0.745 | -0.4 | 88 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.741 | 0.729 | 1.6 | 90 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.308 | 0.295 | 4.2 | 99 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.429 | 0.436 | -1.6 | 90 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.446 | 0.460 | -3.1 | 92 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.665 | 1.639 | 1.6 | 89 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.301 | 1.304 | -0.2 | 90 | 0.00 |
| 42 | | 2-Nitroaniline | 0.359 | 0.354 | 1.4 | 85 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.648 | 1.652 | -0.2 | 91 | 0.00 |
| 44 | | Dimethylphthalate | 1.621 | 1.597 | 1.5 | 90 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.314 | 0.312 | 0.6 | 85 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.102 | 2.110 | -0.4 | 91 | 0.00 |
| 47 | | Acenaphthylene | 1.923 | 1.936 | -0.7 | 90 | 0.00 |
| 48 | | 3-Nitroaniline | 0.247 | 0.222 | 10.1 | 88 | 0.00 |
| 49 | C | Acenaphthene | 1.332 | 1.339 | -0.5 | 91 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.180 | 0.151 | 16.1 | 88 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.268 | 0.257 | 4.1 | 96 | 0.00 |
| 52 | | 4-Nitrophenol | 0.272 | 0.275 | -1.1 | 91 | 0.00 |
| 53 | | Dibenzofuran | 2.004 | 2.025 | -1.0 | 91 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.458 | 0.487 | -6.3 | 93 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.420 | 0.437 | -4.0 | 96 | 0.00 |
| 56 | | Diethylphthalate | 1.631 | 1.658 | -1.7 | 94 | 0.00 |
| 57 | S | Fluorene-d10 | 1.450 | 1.486 | -2.5 | 92 | 0.00 |
| 58 | | Fluorene | 1.641 | 1.655 | -0.9 | 92 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.887 | 0.927 | -4.5 | 94 | 0.00 |
| 60 | | 4-Nitroaniline | 0.289 | 0.324 | -12.1 | 97 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.120 | 0.110 | 8.3 | 97 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.127 | 0.115 | 9.4 | 92 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.588 | 0.571 | 2.9 | 94 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.236 | 0.235 | 0.4 | 96 | 0.00 |
| 66 | | Hexachlorobenzene | 0.254 | 0.248 | 2.4 | 94 | 0.00 |
| 67 | | Atrazine | 0.235 | 0.234 | 0.4 | 99 | 0.00 |
| 68 | C | Pentachlorophenol | 0.135 | 0.124 | 8.1 | 99 | 0.00 |
| 69 | | Phenanthrene | 1.112 | 1.121 | -0.8 | 96 | 0.00 |
| 70 | S | Anthracene-d10 | 0.974 | 0.977 | -0.3 | 94 | 0.00 |
| 71 | | Anthracene | 1.147 | 1.134 | 1.1 | 95 | 0.00 |
| 72 | | Carbazole | 0.947 | 0.952 | -0.5 | 97 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.113 | 1.135 | -2.0 | 98 | 0.00 |
| 74 | C | Fluoranthene | 1.327 | 1.340 | -1.0 | 96 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 76 | S | Pyrene-d10 | 0.931 | 0.908 | 2.5 | 97 | 0.00 |
| 77 | | Pyrene | 1.216 | 1.189 | 2.2 | 98 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.428 | 0.427 | 0.2 | 99 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.331 | 0.307 | 7.3 | 96 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.209 | 1.208 | 0.1 | 100 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.643 | 0.627 | 2.5 | 96 | 0.00 |
| 82 | | Chrysene | 1.109 | 1.099 | 0.9 | 98 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.205 | 1.092 | 9.4 | 101 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.228 | 1.284 | -4.6 | 106 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.187 | 1.137 | 4.2 | 97 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.919 | 0.928 | -1.0 | 104 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.160 | 1.184 | -2.1 | 104 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.370 | 1.361 | 0.7 | 103 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.157 | 1.177 | -1.7 | 105 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.127 | 1.117 | 0.9 | 102 | 0.00 |

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