# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008308.D
Acq On : 14 Dec 2016 14:08
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02050

Quant Time: Dec 14 16:52:15 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 05:32:31 2016
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 | 101 | 0.00 |
| 2 | | 1,4-Dioxane | 0.497 | 0.540 | -8.7 | 104 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.425 | 0.450 | -5.9 | 100 | 0.00 |
| 4 | | Benzaldehyde | 1.027 | 1.174 | -14.3 | 102 | 0.00 |
| 5 | S | Phenol-d5 | 1.551 | 1.567 | -1.0 | 101 | 0.00 |
| 6 | | Phenol | 1.611 | 1.632 | -1.3 | 101 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.892 | 0.934 | -4.7 | 103 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.203 | 1.274 | -5.9 | 104 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.167 | 1.258 | -7.8 | 104 | 0.00 |
| 10 | | 2-Chlorophenol | 1.179 | 1.284 | -8.9 | 104 | 0.00 |
| 11 | | 2-Methylphenol | 1.179 | 1.196 | -1.4 | 100 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.367 | 1.420 | -3.9 | 102 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.202 | 1.245 | -3.6 | 102 | 0.00 |
| 14 | | Acetophenone | 1.965 | 1.979 | -0.7 | 100 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.010 | 1.063 | -5.2 | 100 | 0.00 |
| 16 | | 4-Methylphenol | 1.279 | 1.311 | -2.5 | 101 | 0.00 |
| 17 | | Hexachloroethane | 0.538 | 0.585 | -8.7 | 104 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.145 | 0.155 | -6.9 | 100 | 0.00 |
| 20 | | Nitrobenzene | 0.373 | 0.403 | -8.0 | 100 | 0.00 |
| 21 | | Isophorone | 0.670 | 0.717 | -7.0 | 101 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.160 | 0.174 | -8.7 | 101 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.164 | 0.184 | -12.2 | 104 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.366 | 0.403 | -10.1 | 104 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.380 | 0.415 | -9.2 | 103 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.294 | 0.320 | -8.8 | 101 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.296 | 0.323 | -9.1 | 101 | 0.00 |
| 28 | | Naphthalene | 0.947 | 1.029 | -8.7 | 102 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.336 | 0.373 | -11.0 | 98 | 0.00 |
| 30 | | 4-Chloroaniline | 0.339 | 0.389 | -14.7 | 104 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.240 | 0.260 | -8.3 | 103 | 0.00 |
| 32 | | Caprolactam | 0.093 | 0.090 | 3.2 | 91 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.320 | 0.340 | -6.3 | 98 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.684 | 0.724 | -5.8 | 100 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.626 | 0.701 | -12.0 | 101 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.253 | 0.223 | 11.9 | 100 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.355 | 0.392 | -10.4 | 101 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.388 | 0.424 | -9.3 | 98 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.334 | 1.461 | -9.5 | 98 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.023 | 1.127 | -10.2 | 99 | 0.00 |
| 42 | | 2-Nitroaniline | 0.303 | 0.318 | -5.0 | 94 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.329 | 1.446 | -8.8 | 97 | 0.00 |
| 44 | | Dimethylphthalate | 1.303 | 1.417 | -8.7 | 97 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.254 | 0.277 | -9.1 | 96 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.571 | 1.734 | -10.4 | 98 | 0.00 |
| 47 | | Acenaphthylene | 1.599 | 1.757 | -9.9 | 99 | 0.00 |
| 48 | | 3-Nitroaniline | 0.253 | 0.266 | -5.1 | 96 | 0.00 |
| 49 | C | Acenaphthene | 1.099 | 1.210 | -10.1 | 100 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.147 | 0.125 | 15.0 | 98 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.196 | 0.167 | 14.8 | 88 | 0.00 |
| 52 | | 4-Nitrophenol | 0.188 | 0.157 | 16.5 | 85 | 0.00 |
| 53 | | Dibenzofuran | 1.602 | 1.743 | -8.8 | 97 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.380 | 0.404 | -6.3 | 93 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.358 | 0.392 | -9.5 | 97 | 0.00 |
| 56 | | Diethylphthalate | 1.296 | 1.377 | -6.2 | 95 | 0.00 |
| 57 | S | Fluorene-d10 | 1.156 | 1.255 | -8.6 | 98 | 0.00 |
| 58 | | Fluorene | 1.315 | 1.407 | -7.0 | 96 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.699 | 0.767 | -9.7 | 99 | 0.00 |
| 60 | | 4-Nitroaniline | 0.243 | 0.239 | 1.6 | 93 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.119 | 0.115 | 3.4 | 94 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.119 | 2.5 | 93 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.544 | 0.598 | -9.9 | 95 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.220 | 0.242 | -10.0 | 95 | 0.00 |
| 66 | | Hexachlorobenzene | 0.249 | 0.271 | -8.8 | 95 | 0.00 |
| 67 | | Atrazine | 0.223 | 0.226 | -1.3 | 92 | 0.00 |
| 68 | C | Pentachlorophenol | 0.135 | 0.124 | 8.1 | 89 | 0.00 |
| 69 | | Phenanthrene | 1.025 | 1.100 | -7.3 | 94 | 0.00 |
| 70 | S | Anthracene-d10 | 0.871 | 0.953 | -9.4 | 95 | 0.00 |
| 71 | | Anthracene | 1.040 | 1.124 | -8.1 | 94 | 0.00 |
| 72 | | Carbazole | 0.916 | 0.962 | -5.0 | 93 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.025 | 1.110 | -8.3 | 94 | 0.00 |
| 74 | C | Fluoranthene | 1.259 | 1.328 | -5.5 | 93 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 76 | S | Pyrene-d10 | 0.772 | 0.834 | -8.0 | 92 | 0.00 |
| 77 | | Pyrene | 0.982 | 1.060 | -7.9 | 93 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.352 | 0.386 | -9.7 | 93 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.351 | 0.378 | -7.7 | 91 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.034 | 1.115 | -7.8 | 91 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.516 | 0.562 | -8.9 | 91 | 0.00 |
| 82 | | Chrysene | 0.994 | 1.081 | -8.8 | 92 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 84 | | Di-n-octyl phthalate | 0.960 | 1.009 | -5.1 | 93 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.080 | 1.143 | -5.8 | 91 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.033 | 1.151 | -11.4 | 92 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.840 | 0.918 | -9.3 | 92 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.040 | 1.153 | -10.9 | 94 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.263 | 1.373 | -8.7 | 92 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.061 | 1.147 | -8.1 | 92 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.056 | 1.138 | -7.8 | 91 | 0.00 |

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