# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM053015\
Data File : BM001489.D
Acq On : 31 May 2015 00:17
Operator : TP/IZ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02061

Quant Time: May 31 04:27:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052915.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun May 31 04:25:51 2015
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 | 158# | 0.00 |
| 2 | | 1,4-Dioxane | 0.449 | 0.426 | 5.1 | 153# | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.401 | 0.381 | 5.0 | 151# | 0.00 |
| 4 | | Benzaldehyde | 0.771 | 1.041 | -35.0# | 164# | 0.00 |
| 5 | S | Phenol-d5 | 1.483 | 1.540 | -3.8 | 171# | 0.00 |
| 6 | | Phenol | 1.568 | 1.600 | -2.0 | 164# | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.923 | 0.932 | -1.0 | 160# | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.244 | 1.239 | 0.4 | 157# | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.208 | 1.305 | -8.0 | 163# | 0.00 |
| 10 | | 2-Chlorophenol | 1.260 | 1.342 | -6.5 | 165# | 0.00 |
| 11 | | 2-Methylphenol | 1.220 | 1.258 | -3.1 | 165# | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.309 | 2.226 | 3.6 | 149 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.249 | 1.257 | -0.6 | 159# | 0.00 |
| 14 | | Acetophenone | 2.041 | 2.022 | 0.9 | 157# | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.972 | 1.006 | -3.5 | 156# | 0.00 |
| 16 | | 4-Methylphenol | 1.336 | 1.346 | -0.7 | 159# | 0.00 |
| 17 | | Hexachloroethane | 0.533 | 0.485 | 9.0 | 140 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 153# | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.130 | 0.142 | -9.2 | 160# | 0.00 |
| 20 | | Nitrobenzene | 0.347 | 0.360 | -3.7 | 154# | 0.00 |
| 21 | | Isophorone | 0.608 | 0.632 | -3.9 | 150 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.148 | 0.168 | -13.5 | 166# | 0.00 |
| 23 | C | 2-Nitrophenol | 0.165 | 0.178 | -7.9 | 158# | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.350 | 0.359 | -2.6 | 150 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.387 | 0.395 | -2.1 | 150 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.297 | 0.320 | -7.7 | 160# | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.292 | 0.306 | -4.8 | 156# | 0.00 |
| 28 | | Naphthalene | 1.028 | 1.025 | 0.3 | 150# | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.349 | 0.397 | -13.8 | 147 | 0.00 |
| 30 | | 4-Chloroaniline | 0.358 | 0.399 | -11.5 | 146 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.194 | 0.194 | 0.0 | 152# | 0.00 |
| 32 | | Caprolactam | 0.096 | 0.090 | 6.3 | 147 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.315 | 0.314 | 0.3 | 143 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.742 | 0.727 | 2.0 | 145 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 132 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.603 | 0.662 | -9.8 | 144 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.346 | 0.090 | 74.0# | 37 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.370 | 0.434 | -17.3 | 153# | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.408 | 0.466 | -14.2 | 146 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.602 | 1.696 | -5.9 | 138 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.243 | 1.310 | -5.4 | 137 | 0.00 |
| 42 | | 2-Nitroaniline | 0.342 | 0.391 | -14.3 | 138 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.402 | 1.386 | 1.1 | 124 | 0.00 |
| 44 | | Dimethylphthalate | 1.583 | 1.560 | 1.5 | 125 | 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 | 0.299 | 0.322 | -7.7 | 131 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.910 | 2.008 | -5.1 | 134 | 0.00 |
| 47 | | Acenaphthylene | 2.030 | 2.072 | -2.1 | 131 | 0.00 |
| 48 | | 3-Nitroaniline | 0.321 | 0.339 | -5.6 | 132 | 0.00 |
| 49 | C | Acenaphthene | 1.365 | 1.367 | -0.1 | 129 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.190 | 0.085 | 55.3# | 66 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.286 | 0.252 | 11.9 | 119 | 0.00 |
| 52 | | 4-Nitrophenol | 0.246 | 0.209 | 15.0 | 113 | 0.00 |
| 53 | | Dibenzofuran | 1.955 | 1.897 | 3.0 | 125 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.458 | 0.443 | 3.3 | 116 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.356 | 0.358 | -0.6 | 126 | 0.00 |
| 56 | | Diethylphthalate | 1.648 | 1.538 | 6.7 | 117 | 0.00 |
| 57 | S | Fluorene-d10 | 1.399 | 1.313 | 6.1 | 121 | 0.00 |
| 58 | | Fluorene | 1.653 | 1.567 | 5.2 | 120 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.806 | 0.748 | 7.2 | 118 | 0.00 |
| 60 | | 4-Nitroaniline | 0.342 | 0.312 | 8.8 | 124 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.123 | 0.071 | 42.3# | 66 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.133 | 0.077 | 42.1# | 65 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.582 | 0.653 | -12.2 | 118 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.197 | 0.217 | -10.2 | 115 | 0.00 |
| 66 | | Hexachlorobenzene | 0.222 | 0.232 | -4.5 | 109 | 0.00 |
| 67 | | Atrazine | 0.212 | 0.217 | -2.4 | 107 | 0.00 |
| 68 | C | Pentachlorophenol | 0.129 | 0.120 | 7.0 | 108 | 0.00 |
| 69 | | Phenanthrene | 1.114 | 1.122 | -0.7 | 105 | 0.00 |
| 70 | S | Anthracene-d10 | 0.922 | 0.947 | -2.7 | 106 | 0.00 |
| 71 | | Anthracene | 1.149 | 1.171 | -1.9 | 105 | 0.00 |
| 72 | | Carbazole | 1.068 | 1.023 | 4.2 | 103 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.235 | 1.266 | -2.5 | 104 | 0.00 |
| 74 | C | Fluoranthene | 1.349 | 1.232 | 8.7 | 96 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 76 | S | Pyrene-d10 | 0.870 | 0.989 | -13.7 | 94 | 0.00 |
| 77 | | Pyrene | 1.196 | 1.346 | -12.5 | 93 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.471 | 0.561 | -19.1 | 97 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.383 | 0.408 | -6.5 | 87 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.168 | 1.207 | -3.3 | 85 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.746 | 0.827 | -10.9 | 89 | 0.00 |
| 82 | | Chrysene | 1.100 | 1.119 | -1.7 | 83 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.475 | 1.539 | -4.3 | 90 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.224 | 1.284 | -4.9 | 89 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.173 | 1.157 | 1.4 | 79 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.884 | 0.921 | -4.2 | 85 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.149 | 1.174 | -2.2 | 83 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.209 | 1.301 | -7.6 | 90 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.015 | 1.098 | -8.2 | 90 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.998 | 1.096 | -9.8 | 92 | 0.00 |

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