# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM062415\
Data File : BM001779.D
Acq On : 24 Jun 2015 13:18
Operator : TP/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02012

Quant Time: Jun 25 01:57:55 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 18 03:27:43 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 | 109 | 0.00 |
| 2 | | 1,4-Dioxane | 0.479 | 0.422 | 11.9 | 102 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.419 | 0.416 | 0.7 | 112 | 0.00 |
| 4 | | Benzaldehyde | 1.005 | 0.990 | 1.5 | 108 | 0.00 |
| 5 | S | Phenol-d5 | 1.536 | 1.439 | 6.3 | 110 | 0.00 |
| 6 | | Phenol | 1.585 | 1.517 | 4.3 | 112 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.860 | 0.823 | 4.3 | 109 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.191 | 1.160 | 2.6 | 111 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.215 | 1.166 | 4.0 | 113 | 0.00 |
| 10 | | 2-Chlorophenol | 1.258 | 1.202 | 4.5 | 110 | 0.00 |
| 11 | | 2-Methylphenol | 1.174 | 1.117 | 4.9 | 112 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.458 | 1.356 | 7.0 | 104 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.233 | 1.173 | 4.9 | 112 | 0.00 |
| 14 | | Acetophenone | 1.957 | 1.895 | 3.2 | 112 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.956 | 0.892 | 6.7 | 106 | 0.00 |
| 16 | | 4-Methylphenol | 1.275 | 1.231 | 3.5 | 112 | 0.00 |
| 17 | | Hexachloroethane | 0.505 | 0.489 | 3.2 | 111 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.138 | 0.131 | 5.1 | 110 | 0.00 |
| 20 | | Nitrobenzene | 0.375 | 0.352 | 6.1 | 110 | 0.00 |
| 21 | | Isophorone | 0.626 | 0.588 | 6.1 | 109 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.151 | 0.144 | 4.6 | 111 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.166 | 0.157 | 5.4 | 111 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.383 | 0.349 | 8.9 | 105 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.391 | 0.370 | 5.4 | 112 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.324 | 0.307 | 5.2 | 112 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.314 | 0.301 | 4.1 | 113 | 0.00 |
| 28 | | Naphthalene | 1.010 | 0.958 | 5.1 | 112 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.330 | 0.381 | -15.5 | 134 | 0.00 |
| 30 | | 4-Chloroaniline | 0.335 | 0.381 | -13.7 | 131 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.241 | 0.223 | 7.5 | 109 | 0.00 |
| 32 | | Caprolactam | 0.094 | 0.085 | 9.6 | 114 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.335 | 0.316 | 5.7 | 110 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.730 | 0.692 | 5.2 | 111 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.747 | 0.705 | 5.6 | 110 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.452 | 0.412 | 8.8 | 110 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.435 | 0.414 | 4.8 | 111 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.476 | 0.452 | 5.0 | 113 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.632 | 1.581 | 3.1 | 114 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.280 | 1.218 | 4.8 | 112 | 0.00 |
| 42 | | 2-Nitroaniline | 0.339 | 0.317 | 6.5 | 107 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.483 | 1.393 | 6.1 | 110 | 0.00 |
| 44 | | Dimethylphthalate | 1.621 | 1.511 | 6.8 | 110 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.305 | 0.294 | 3.6 | 110 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.944 | 1.877 | 3.4 | 113 | 0.00 |
| 47 | | Acenaphthylene | 1.982 | 1.918 | 3.2 | 114 | 0.00 |
| 48 | | 3-Nitroaniline | 0.285 | 0.300 | -5.3 | 126 | 0.00 |
| 49 | C | Acenaphthene | 1.325 | 1.279 | 3.5 | 113 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.189 | 0.155 | 18.0 | 110 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.274 | 0.245 | 10.6 | 109 | 0.00 |
| 52 | | 4-Nitrophenol | 0.283 | 0.230 | 18.7 | 99 | 0.00 |
| 53 | | Dibenzofuran | 1.897 | 1.820 | 4.1 | 114 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.449 | 0.429 | 4.5 | 109 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.411 | 0.386 | 6.1 | 109 | 0.00 |
| 56 | | Diethylphthalate | 1.541 | 1.463 | 5.1 | 110 | 0.00 |
| 57 | S | Fluorene-d10 | 1.376 | 1.328 | 3.5 | 114 | 0.00 |
| 58 | | Fluorene | 1.579 | 1.506 | 4.6 | 112 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.851 | 0.797 | 6.3 | 110 | 0.00 |
| 60 | | 4-Nitroaniline | 0.323 | 0.308 | 4.6 | 113 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.122 | 0.103 | 15.6 | 108 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.130 | 0.111 | 14.6 | 107 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.584 | 0.560 | 4.1 | 114 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.223 | 0.213 | 4.5 | 115 | 0.00 |
| 66 | | Hexachlorobenzene | 0.251 | 0.234 | 6.8 | 111 | 0.00 |
| 67 | | Atrazine | 0.235 | 0.214 | 8.9 | 109 | 0.00 |
| 68 | C | Pentachlorophenol | 0.154 | 0.137 | 11.0 | 114 | 0.00 |
| 69 | | Phenanthrene | 1.084 | 1.034 | 4.6 | 114 | 0.00 |
| 70 | S | Anthracene-d10 | 0.932 | 0.894 | 4.1 | 113 | 0.00 |
| 71 | | Anthracene | 1.113 | 1.067 | 4.1 | 113 | 0.00 |
| 72 | | 1,2,3,4-Tetrachlorobenzene | 0.314 | 0.302 | 3.8 | 115 | 0.00 |
| 73 | | Pentachlorobenzene | 0.296 | 0.277 | 6.4 | 111 | 0.00 |
| 74 | | Carbazole | 0.977 | 0.940 | 3.8 | 114 | 0.00 |
| 75 | | Di-n-butylphthalate | 1.044 | 1.000 | 4.2 | 113 | 0.00 |
| 76 | C | Fluoranthene | 1.297 | 1.235 | 4.8 | 114 | 0.00 |
| 77 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 78 | S | Pyrene-d10 | 0.847 | 0.833 | 1.7 | 115 | 0.00 |
| 79 | | Pyrene | 1.110 | 1.097 | 1.2 | 115 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.362 | 0.358 | 1.1 | 115 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.355 | 0.365 | -2.8 | 121 | 0.00 |
| 82 | | Benzo(a)anthracene | 1.169 | 1.128 | 3.5 | 111 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.544 | 0.532 | 2.2 | 114 | 0.00 |
| 84 | | Chrysene | 1.108 | 1.055 | 4.8 | 110 | 0.00 |
| 85 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 86 | | Di-n-octyl phthalate | 0.983 | 0.942 | 4.2 | 112 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.164 | 1.122 | 3.6 | 103 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(k)fluoranthene | 1.125 | 1.108 | 1.5 | 109 | 0.00 |
| 89 | S | Benzo(a)pyrene-d12 | 0.882 | 0.859 | 2.6 | 104 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.133 | 1.099 | 3.0 | 105 | 0.00 |
| 91 | | Indeno(1,2,3-cd)pyrene | 1.343 | 1.256 | 6.5 | 100 | 0.00 |
| 92 | | Dibenzo(a,h)anthracene | 1.133 | 1.055 | 6.9 | 100 | 0.00 |
| 93 | | Benzo(g,h,i)perylene | 1.129 | 1.045 | 7.4 | 99 | 0.00 |

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