# Evaluate Continuing Calibration Report

Data Path : S:\HPCHEM1\BNA_M\DATA\BM072015\
Data File : BM001980.D
Acq On : 20 Jul 2015 18:50
Operator : TP/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02058

Quant Time: Jul 21 00:50:04 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 21 00:43:52 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 8.000 | 7.416 | 7.3 | 97 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 8.000 | 7.236 | 9.6 | 92 | 0.00 |
| 4 | | Benzaldehyde | 20.000 | 17.002 | 15.0 | 104 | 0.00 |
| 5 | S | Phenol-d5 | 20.000 | 19.263 | 3.7 | 103 | 0.00 |
| 6 | | Phenol | 20.000 | 19.504 | 2.5 | 104 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 20.000 | 19.129 | 4.4 | 98 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 20.000 | 19.612 | 1.9 | 101 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 20.000 | 19.530 | 2.3 | 102 | 0.00 |
| 10 | | 2-Chlorophenol | 20.000 | 19.588 | 2.1 | 103 | 0.00 |
| 11 | | 2-Methylphenol | 20.000 | 19.729 | 1.4 | 104 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 20.000 | 17.859 | 10.7 | 92 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 20.000 | 19.585 | 2.1 | 102 | 0.00 |
| 14 | | Acetophenone | 20.000 | 19.338 | 3.3 | 101 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 20.000 | 19.113 | 4.4 | 98 | 0.00 |
| 16 | | 4-Methylphenol | 20.000 | 19.688 | 1.6 | 104 | 0.00 |
| 17 | | Hexachloroethane | 20.000 | 18.847 | 5.8 | 100 | 0.00 |
| 18 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 20.000 | 19.875 | 0.6 | 104 | 0.00 |
| 20 | | Nitrobenzene | 20.000 | 19.187 | 4.1 | 100 | 0.00 |
| 21 | | Isophorone | 20.000 | 18.841 | 5.8 | 98 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 20.000 | 20.063 | -0.3 | 105 | 0.00 |
| 23 | C | 2-Nitrophenol | 20.000 | 19.751 | 1.2 | 102 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 20.000 | 19.223 | 3.9 | 101 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 20.000 | 19.114 | 4.4 | 101 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 20.000 | 19.979 | 0.1 | 104 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 20.000 | 19.652 | 1.7 | 103 | 0.00 |
| 28 | | Naphthalene | 20.000 | 19.434 | 2.8 | 103 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 20.000 | 22.208 | -11.0 | 111 | 0.00 |
| 30 | | 4-Chloroaniline | 20.000 | 21.715 | -8.6 | 109 | 0.00 |
| 31 | C | Hexachlorobutadiene | 20.000 | 19.240 | 3.8 | 103 | 0.00 |
| 32 | | Caprolactam | 20.000 | 19.643 | 1.8 | 102 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 20.000 | 19.464 | 2.7 | 102 | 0.00 |
| 34 | | 2-Methylnaphthalene | 20.000 | 19.526 | 2.4 | 103 | 0.00 |
| 35 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 20.000 | 19.360 | 3.2 | 105 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 20.000 | 15.108 | 24.5# | 83 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 20.000 | 19.603 | 2.0 | 104 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 20.000 | 19.595 | 2.0 | 104 | 0.00 |
| 40 | | 1,1'-Biphenyl | 20.000 | 19.066 | 4.7 | 102 | 0.00 |
| 41 | | 2-Chloronaphthalene | 20.000 | 19.252 | 3.7 | 103 | 0.00 |
| 42 | | 2-Nitroaniline | 20.000 | 18.897 | 5.5 | 99 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 20.000 | 18.635 | 6.8 | 99 | 0.00 |
| 44 | | Dimethylphthalate | 20.000 | 18.623 | 6.9 | 99 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 20.000 | 19.222 | 3.9 | 101 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 20.000 | 19.236 | 3.8 | 103 | 0.00 |
| 47 | | Acenaphthylene | 20.000 | 19.074 | 4.6 | 102 | 0.00 |
| 48 | | 3-Nitroaniline | 20.000 | 20.319 | -1.6 | 111 | 0.00 |
| 49 | C | Acenaphthene | 20.000 | 19.161 | 4.2 | 103 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 20.000 | 13.733 | 31.3# | 78 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 20.000 | 18.469 | 7.7 | 98 | 0.00 |
| 52 | | 4-Nitrophenol | 20.000 | 17.594 | 12.0 | 93 | 0.00 |
| 53 | | Dibenzofuran | 20.000 | 18.939 | 5.3 | 102 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 20.000 | 19.001 | 5.0 | 100 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 20.000 | 19.266 | 3.7 | 102 | 0.00 |
| 56 | | Diethylphthalate | 20.000 | 18.658 | 6.7 | 99 | 0.00 |
| 57 | S | Fluorene-d10 | 20.000 | 19.263 | 3.7 | 103 | 0.00 |
| 58 | | Fluorene | 20.000 | 19.137 | 4.3 | 103 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 20.000 | 19.139 | 4.3 | 104 | 0.00 |
| 60 | | 4-Nitroaniline | 20.000 | 19.975 | 0.1 | 111 | 0.00 |
| 61 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 20.000 | 16.131 | 19.3 | 87 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 20.000 | 16.341 | 18.3 | 89 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 20.000 | 19.264 | 3.7 | 102 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 20.000 | 19.158 | 4.2 | 100 | 0.00 |
| 66 | | Hexachlorobenzene | 20.000 | 19.266 | 3.7 | 103 | 0.00 |
| 67 | | Atrazine | 20.000 | 19.279 | 3.6 | 99 | 0.00 |
| 68 | C | Pentachlorophenol | 20.000 | 18.204 | 9.0 | 98 | 0.00 |
| 69 | | Phenanthrene | 20.000 | 19.354 | 3.2 | 103 | 0.00 |
| 70 | S | Anthracene-d10 | 20.000 | 19.422 | 2.9 | 103 | 0.00 |
| 71 | | Anthracene | 20.000 | 19.466 | 2.7 | 103 | 0.00 |
| 72 | | 1,2,3,4-Tetrachlorobenzene | 20.000 | 19.747 | 1.3 | 106 | 0.00 |
| 73 | | Pentachlorobenzene | 20.000 | 19.600 | 2.0 | 105 | 0.00 |
| 74 | | Carbazole | 20.000 | 19.617 | 1.9 | 102 | 0.00 |
| 75 | | Di-n-butylphthalate | 20.000 | 19.004 | 5.0 | 99 | 0.00 |
| 76 | C | Fluoranthene | 20.000 | 19.830 | 0.9 | 103 | 0.00 |
| 77 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 78 | S | Pyrene-d10 | 20.000 | 18.956 | 5.2 | 103 | 0.00 |
| 79 | | Pyrene | 20.000 | 18.873 | 5.6 | 103 | 0.00 |
| 80 | | Butylbenzylphthalate | 20.000 | 18.916 | 5.4 | 101 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 20.000 | 18.199 | 9.0 | 102 | 0.00 |
| 82 | | Benzo(a)anthracene | 20.000 | 19.364 | 3.2 | 106 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 20.000 | 19.280 | 3.6 | 106 | 0.00 |
| 84 | | Chrysene | 20.000 | 19.189 | 4.1 | 104 | 0.00 |
| 85 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 104 | 0.01 |
| 86 | | Di-n-octyl phthalate | 20.000 | 20.211 | -1.1 | 109 | 0.01 |
| 87 | | Benzo(b)fluoranthene | 20.000 | 19.348 | 3.3 | 104 | 0.01 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(k)fluoranthene | 20.000 | 20.099 | -0.5 | 106 | 0.00 |
| 89 | S | Benzo(a)pyrene-d12 | 20.000 | 19.460 | 2.7 | 104 | 0.00 |
| 90 | C | Benzo(a)pyrene | 20.000 | 19.502 | 2.5 | 105 | 0.00 |
| 91 | | Indeno(1,2,3-cd)pyrene | 20.000 | 18.368 | 8.2 | 103 | 0.01 |
| 92 | | Dibenzo(a,h)anthracene | 20.000 | 18.633 | 6.8 | 104 | 0.01 |
| 93 | | Benzo(g,h,i)perylene | 20.000 | 18.135 | 9.3 | 102 | 0.01 |

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