# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111416\
Data File : BM007871.D
Acq On : 15 Nov 2016 00:43
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02059

Quant Time: Nov 15 03:45:00 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 15 02:47:54 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 94 | 0.00 |
| 2 | | 1,4-Dioxane | 8.000 | 8.081 | -1.0 | 95 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 8.000 | 8.439 | -5.5 | 96 | 0.00 |
| 4 | | Benzaldehyde | 20.000 | 24.179 | -20.9# | 101 | 0.00 |
| 5 | S | Phenol-d5 | 20.000 | 20.840 | -4.2 | 101 | 0.00 |
| 6 | | Phenol | 20.000 | 20.879 | -4.4 | 99 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 20.000 | 21.026 | -5.1 | 99 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 20.000 | 20.910 | -4.6 | 98 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 20.000 | 21.596 | -8.0 | 101 | 0.00 |
| 10 | | 2-Chlorophenol | 20.000 | 21.402 | -7.0 | 100 | 0.00 |
| 11 | | 2-Methylphenol | 20.000 | 20.718 | -3.6 | 101 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 20.000 | 21.444 | -7.2 | 100 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 20.000 | 20.582 | -2.9 | 99 | 0.00 |
| 14 | | Acetophenone | 20.000 | 20.860 | -4.3 | 100 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 20.000 | 21.784 | -8.9 | 103 | 0.00 |
| 16 | | 4-Methylphenol | 20.000 | 20.895 | -4.5 | 101 | 0.00 |
| 17 | | Hexachloroethane | 20.000 | 21.116 | -5.6 | 97 | 0.00 |
| 18 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 92 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 20.000 | 22.154 | -10.8 | 100 | 0.00 |
| 20 | | Nitrobenzene | 20.000 | 22.132 | -10.7 | 102 | 0.00 |
| 21 | | Isophorone | 20.000 | 22.283 | -11.4 | 102 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 20.000 | 22.530 | -12.7 | 105 | 0.00 |
| 23 | C | 2-Nitrophenol | 20.000 | 22.565 | -12.8 | 101 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 20.000 | 21.942 | -9.7 | 100 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 20.000 | 21.708 | -8.5 | 99 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 20.000 | 22.098 | -10.5 | 101 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 20.000 | 22.291 | -11.5 | 101 | 0.00 |
| 28 | | Naphthalene | 20.000 | 21.559 | -7.8 | 100 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 20.000 | 23.300 | -16.5 | 104 | 0.00 |
| 30 | | 4-Chloroaniline | 20.000 | 23.271 | -16.4 | 103 | 0.00 |
| 31 | C | Hexachlorobutadiene | 20.000 | 22.079 | -10.4 | 101 | 0.00 |
| 32 | | Caprolactam | 20.000 | 21.106 | -5.5 | 107 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 20.000 | 22.071 | -10.4 | 101 | 0.00 |
| 34 | | 2-Methylnaphthalene | 20.000 | 21.530 | -7.7 | 99 | 0.00 |
| 35 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 94 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 20.000 | 21.456 | -7.3 | 99 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 20.000 | 19.228 | 3.9 | 98 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 20.000 | 21.890 | -9.5 | 102 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 20.000 | 21.459 | -7.3 | 101 | 0.00 |
| 40 | | 1,1'-Biphenyl | 20.000 | 21.367 | -6.8 | 99 | 0.00 |
| 41 | | 2-Chloronaphthalene | 20.000 | 21.444 | -7.2 | 100 | 0.00 |
| 42 | | 2-Nitroaniline | 20.000 | 22.590 | -13.0 | 104 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 20.000 | 21.390 | -7.0 | 101 | 0.00 |
| 44 | | Dimethylphthalate | 20.000 | 21.278 | -6.4 | 99 | 0.00 |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 20.000 | 21.846 | -9.2 | 103 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 20.000 | 21.488 | -7.4 | 99 | 0.00 |
| 47 | | Acenaphthylene | 20.000 | 21.733 | -8.7 | 100 | 0.00 |
| 48 | | 3-Nitroaniline | 20.000 | 22.606 | -13.0 | 107 | 0.00 |
| 49 | C | Acenaphthene | 20.000 | 21.219 | -6.1 | 100 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 20.000 | 18.540 | 7.3 | 104 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 20.000 | 19.811 | 0.9 | 103 | 0.00 |
| 52 | | 4-Nitrophenol | 20.000 | 19.289 | 3.6 | 96 | 0.00 |
| 53 | | Dibenzofuran | 20.000 | 21.536 | -7.7 | 101 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 20.000 | 22.696 | -13.5 | 105 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 20.000 | 22.172 | -10.9 | 104 | 0.00 |
| 56 | | Diethylphthalate | 20.000 | 21.260 | -6.3 | 100 | 0.00 |
| 57 | S | Fluorene-d10 | 20.000 | 21.402 | -7.0 | 100 | 0.00 |
| 58 | | Fluorene | 20.000 | 21.790 | -8.9 | 101 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 20.000 | 21.588 | -7.9 | 101 | 0.00 |
| 60 | | 4-Nitroaniline | 20.000 | 20.947 | -4.7 | 112 | 0.00 |
| 61 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 20.000 | 18.933 | 5.3 | 100 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 20.000 | 19.406 | 3.0 | 100 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 20.000 | 21.520 | -7.6 | 100 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 20.000 | 21.422 | -7.1 | 101 | 0.00 |
| 66 | | Hexachlorobenzene | 20.000 | 21.107 | -5.5 | 99 | 0.00 |
| 67 | | Atrazine | 20.000 | 20.769 | -3.8 | 102 | 0.00 |
| 68 | C | Pentachlorophenol | 20.000 | 20.159 | -0.8 | 107 | 0.00 |
| 69 | | Phenanthrene | 20.000 | 21.417 | -7.1 | 102 | 0.00 |
| 70 | S | Anthracene-d10 | 20.000 | 21.900 | -9.5 | 102 | 0.00 |
| 71 | | Anthracene | 20.000 | 21.483 | -7.4 | 101 | 0.00 |
| 72 | | Carbazole | 20.000 | 21.416 | -7.1 | 102 | 0.00 |
| 73 | | Di-n-butylphthalate | 20.000 | 22.056 | -10.3 | 103 | 0.00 |
| 74 | C | Fluoranthene | 20.000 | 21.723 | -8.6 | 103 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |
| 76 | S | Pyrene-d10 | 20.000 | 21.137 | -5.7 | 103 | 0.00 |
| 77 | | Pyrene | 20.000 | 21.077 | -5.4 | 103 | 0.00 |
| 78 | | Butylbenzylphthalate | 20.000 | 21.958 | -9.8 | 107 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 20.000 | 22.521 | -12.6 | 110 | 0.00 |
| 80 | | Benzo(a)anthracene | 20.000 | 21.585 | -7.9 | 105 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 20.000 | 21.845 | -9.2 | 106 | 0.00 |
| 82 | | Chrysene | 20.000 | 21.629 | -8.1 | 105 | 0.00 |
| 83 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 84 | | Di-n-octyl phthalate | 20.000 | 20.441 | -2.2 | 108 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 20.000 | 20.430 | -2.1 | 103 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 20.000 | 22.386 | -11.9 | 112 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 20.000 | 21.936 | -9.7 | 110 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 20.000 | 21.701 | -8.5 | 109 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 20.000 | 21.744 | -8.7 | 109 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 20.000 | 21.849 | -9.2 | 109 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 20.000 | 21.649 | -8.2 | 109 | 0.00 |

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