# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM020315\
Data File : BM000417.D
Acq On : 03 Feb 2015 18:43
Operator : TP/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SBLK11

Quant Time: Feb 04 00:06:28 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM020315.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 03 12:57:43 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 2 | | 1,4-Dioxane | 8.000 | 7.439 | 7.0 | 101 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 8.000 | 7.613 | 4.8 | 98 | 0.00 |
| 4 | | Benzaldehyde | 20.000 | 21.083 | -5.4 | 118 | 0.00 |
| 5 | S | Phenol-d5 | 20.000 | 20.270 | -1.3 | 110 | 0.00 |
| 6 | | Phenol | 20.000 | 20.325 | -1.6 | 110 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 20.000 | 20.316 | -1.6 | 108 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 20.000 | 21.048 | -5.2 | 112 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 20.000 | 20.906 | -4.5 | 110 | 0.00 |
| 10 | | 2-Chlorophenol | 20.000 | 20.743 | -3.7 | 113 | 0.00 |
| 11 | | 2-Methylphenol | 20.000 | 20.206 | -1.0 | 109 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 20.000 | 20.601 | -3.0 | 108 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 20.000 | 20.529 | -2.6 | 113 | 0.00 |
| 14 | | Acetophenone | 20.000 | 20.829 | -4.1 | 110 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 20.000 | 21.550 | -7.8 | 113 | 0.00 |
| 16 | | 4-Methylphenol | 20.000 | 20.657 | -3.3 | 111 | 0.00 |
| 17 | | Hexachloroethane | 20.000 | 21.420 | -7.1 | 116 | 0.00 |
| 18 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 20.000 | 22.187 | -10.9 | 119 | 0.00 |
| 20 | | Nitrobenzene | 20.000 | 20.938 | -4.7 | 113 | 0.00 |
| 21 | | Isophorone | 20.000 | 21.825 | -9.1 | 116 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 20.000 | 22.024 | -10.1 | 122 | 0.00 |
| 23 | C | 2-Nitrophenol | 20.000 | 21.959 | -9.8 | 116 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 20.000 | 20.637 | -3.2 | 111 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 20.000 | 20.582 | -2.9 | 112 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 20.000 | 21.846 | -9.2 | 118 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 20.000 | 21.263 | -6.3 | 114 | 0.00 |
| 28 | | Naphthalene | 20.000 | 20.454 | -2.3 | 112 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 20.000 | 22.436 | -12.2 | 117 | 0.00 |
| 30 | | 4-Chloroaniline | 20.000 | 22.523 | -12.6 | 115 | 0.00 |
| 31 | C | Hexachlorobutadiene | 20.000 | 20.628 | -3.1 | 113 | 0.00 |
| 32 | | Caprolactam | 20.000 | 21.684 | -8.4 | 124 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 20.000 | 21.130 | -5.6 | 113 | 0.00 |
| 34 | | 2-Methylnaphthalene | 20.000 | 20.584 | -2.9 | 112 | 0.00 |
| 35 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 20.000 | 19.675 | 1.6 | 108 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 20.000 | 19.523 | 2.4 | 115 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 20.000 | 21.542 | -7.7 | 117 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 20.000 | 21.230 | -6.2 | 113 | 0.00 |
| 40 | | 1,1'-Biphenyl | 20.000 | 20.208 | -1.0 | 112 | 0.00 |
| 41 | | 2-Chloronaphthalene | 20.000 | 20.066 | -0.3 | 111 | 0.00 |
| 42 | | 2-Nitroaniline | 20.000 | 21.760 | -8.8 | 114 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 20.000 | 20.963 | -4.8 | 111 | 0.00 |
| 44 | | Dimethylphthalate | 20.000 | 20.458 | -2.3 | 110 | 0.00 |

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**Instrument :** BNA_M
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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) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 20.000 | 22.234 | -11.2 | 115 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 20.000 | 20.849 | -4.2 | 114 | 0.00 |
| 47 | | Acenaphthylene | 20.000 | 20.552 | -2.8 | 112 | 0.00 |
| 48 | | 3-Nitroaniline | 20.000 | 21.669 | -8.3 | 116 | 0.00 |
| 49 | C | Acenaphthene | 20.000 | 20.487 | -2.4 | 114 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 20.000 | 19.964 | 0.2 | 129 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 20.000 | 20.338 | -1.7 | 114 | 0.00 |
| 52 | | 4-Nitrophenol | 20.000 | 19.686 | 1.6 | 109 | 0.00 |
| 53 | | Dibenzofuran | 20.000 | 20.255 | -1.3 | 111 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 20.000 | 21.785 | -8.9 | 114 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 20.000 | 21.209 | -6.0 | 111 | 0.00 |
| 56 | | Diethylphthalate | 20.000 | 20.639 | -3.2 | 111 | 0.00 |
| 57 | S | Fluorene-d10 | 20.000 | 20.213 | -1.1 | 111 | 0.00 |
| 58 | | Fluorene | 20.000 | 20.209 | -1.0 | 112 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 20.000 | 20.407 | -2.0 | 111 | 0.00 |
| 60 | | 4-Nitroaniline | 20.000 | 20.924 | -4.6 | 116 | 0.00 |
| 61 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 20.000 | 20.464 | -2.3 | 118 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 20.000 | 21.096 | -5.5 | 119 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 20.000 | 20.555 | -2.8 | 110 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 20.000 | 20.247 | -1.2 | 108 | 0.00 |
| 66 | | Hexachlorobenzene | 20.000 | 19.778 | 1.1 | 107 | 0.00 |
| 67 | | Atrazine | 20.000 | 20.746 | -3.7 | 114 | 0.00 |
| 68 | C | Pentachlorophenol | 20.000 | 19.286 | 3.6 | 111 | 0.00 |
| 69 | | Phenanthrene | 20.000 | 20.406 | -2.0 | 110 | 0.00 |
| 70 | S | Anthracene-d10 | 20.000 | 20.567 | -2.8 | 111 | 0.00 |
| 71 | | Anthracene | 20.000 | 20.494 | -2.5 | 110 | 0.00 |
| 72 | | Carbazole | 20.000 | 20.941 | -4.7 | 111 | 0.00 |
| 73 | | Di-n-butylphthalate | 20.000 | 21.776 | -8.9 | 113 | 0.00 |
| 74 | C | Fluoranthene | 20.000 | 20.836 | -4.2 | 107 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 76 | S | Pyrene-d10 | 20.000 | 20.452 | -2.3 | 106 | 0.00 |
| 77 | | Pyrene | 20.000 | 20.023 | -0.1 | 103 | 0.00 |
| 78 | | Butylbenzylphthalate | 20.000 | 22.714 | -13.6 | 110 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 20.000 | 21.389 | -6.9 | 104 | 0.00 |
| 80 | | Benzo(a)anthracene | 20.000 | 20.226 | -1.1 | 100 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 20.000 | 21.984 | -9.9 | 106 | 0.00 |
| 82 | | Chrysene | 20.000 | 20.515 | -2.6 | 102 | 0.00 |
| 83 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 94 | 0.00 |
| 84 | | Di-n-octyl phthalate | 20.000 | 21.491 | -7.5 | 104 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 20.000 | 20.686 | -3.4 | 93 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 20.000 | 20.863 | -4.3 | 96 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 20.000 | 20.543 | -2.7 | 93 | 0.00 |

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 20.000 | 20.723 | -3.6 | 93 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 20.000 | 19.970 | 0.2 | 91 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 20.000 | 19.780 | 1.1 | 90 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 20.000 | 19.443 | 2.8 | 89 | 0.00 |

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