# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM020415\
Data File : BM000421.D
Acq On : 04 Feb 2015 16:50
Operator : TP/IZ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC020EC

Quant Time: Feb 05 08:32:49 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM020315.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 05 07:40:45 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 | 121 | 0.00 |
| 2 | | 1,4-Dioxane | 0.389 | 0.380 | 2.3 | 115 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.329 | 0.333 | -1.2 | 114 | 0.00 |
| 4 | | Benzaldehyde | 0.458 | 0.479 | -4.6 | 127 | 0.00 |
| 5 | S | Phenol-d5 | 1.439 | 1.439 | 0.0 | 118 | 0.00 |
| 6 | | Phenol | 1.466 | 1.479 | -0.9 | 119 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.860 | 0.859 | 0.1 | 115 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.121 | 1.151 | -2.7 | 119 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.182 | 1.196 | -1.2 | 115 | 0.00 |
| 10 | | 2-Chlorophenol | 1.204 | 1.241 | -3.1 | 122 | 0.00 |
| 11 | | 2-Methylphenol | 1.198 | 1.180 | 1.5 | 116 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.360 | 2.397 | -1.6 | 116 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.237 | 1.261 | -1.9 | 121 | 0.00 |
| 14 | | Acetophenone | 2.046 | 2.119 | -3.6 | 118 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.980 | 1.023 | -4.4 | 119 | 0.00 |
| 16 | | 4-Methylphenol | 1.292 | 1.303 | -0.9 | 118 | 0.00 |
| 17 | | Hexachloroethane | 0.550 | 0.551 | -0.2 | 117 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.125 | 0.135 | -8.0 | 123 | 0.00 |
| 20 | | Nitrobenzene | 0.366 | 0.379 | -3.6 | 118 | 0.00 |
| 21 | | Isophorone | 0.642 | 0.685 | -6.7 | 119 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.143 | 0.156 | -9.1 | 128 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.152 | 0.174 | -14.5 | 128 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.391 | 0.408 | -4.3 | 118 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.367 | 0.382 | -4.1 | 120 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.317 | 0.336 | -6.0 | 121 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.309 | 0.328 | -6.1 | 119 | 0.00 |
| 28 | | Naphthalene | 0.997 | 1.033 | -3.6 | 119 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.293 | 0.331 | -13.0 | 124 | 0.00 |
| 30 | | 4-Chloroaniline | 0.303 | 0.343 | -13.2 | 122 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.241 | 0.243 | -0.8 | 117 | 0.00 |
| 32 | | Caprolactam | 0.087 | 0.095 | -9.2 | 131 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.359 | 0.384 | -7.0 | 120 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.768 | 0.792 | -3.1 | 118 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.642 | 0.637 | 0.8 | 115 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.393 | 0.370 | 5.9 | 117 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.366 | 0.391 | -6.8 | 123 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.409 | 0.432 | -5.6 | 119 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.577 | 1.586 | -0.6 | 118 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.211 | 1.240 | -2.4 | 120 | 0.00 |
| 42 | | 2-Nitroaniline | 0.352 | 0.381 | -8.2 | 120 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.483 | 1.534 | -3.4 | 116 | 0.00 |
| 44 | | Dimethylphthalate | 1.614 | 1.652 | -2.4 | 117 | 0.00 |

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ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC020EC

Quant Time: Feb 05 08:32:49 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM020315.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 05 07:40:45 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) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.287 | 0.312 | -8.7 | 119 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.903 | 1.980 | -4.0 | 121 | 0.00 |
| 47 | | Acenaphthylene | 1.976 | 2.035 | -3.0 | 119 | 0.00 |
| 48 | | 3-Nitroaniline | 0.264 | 0.294 | -11.4 | 126 | 0.00 |
| 49 | C | Acenaphthene | 1.293 | 1.322 | -2.2 | 120 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.167 | 0.157 | 6.0 | 128 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.250 | 0.257 | -2.8 | 122 | 0.00 |
| 52 | | 4-Nitrophenol | 0.366 | 0.347 | 5.2 | 111 | 0.00 |
| 53 | | Dibenzofuran | 1.926 | 1.944 | -0.9 | 117 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.445 | 0.476 | -7.0 | 118 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.367 | 0.390 | -6.3 | 118 | 0.00 |
| 56 | | Diethylphthalate | 1.694 | 1.739 | -2.7 | 117 | 0.00 |
| 57 | S | Fluorene-d10 | 1.448 | 1.452 | -0.3 | 116 | 0.00 |
| 58 | | Fluorene | 1.603 | 1.610 | -0.4 | 117 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.828 | 0.849 | -2.5 | 119 | 0.00 |
| 60 | | 4-Nitroaniline | 0.310 | 0.326 | -5.2 | 123 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.109 | 0.111 | -1.8 | 124 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.115 | 0.114 | 0.9 | 118 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.557 | 0.573 | -2.9 | 117 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.205 | 0.209 | -2.0 | 115 | 0.00 |
| 66 | | Hexachlorobenzene | 0.236 | 0.238 | -0.8 | 115 | 0.00 |
| 67 | | Atrazine | 0.210 | 0.215 | -2.4 | 118 | 0.00 |
| 68 | C | Pentachlorophenol | 0.132 | 0.130 | 1.5 | 120 | 0.00 |
| 69 | | Phenanthrene | 1.076 | 1.098 | -2.0 | 116 | 0.00 |
| 70 | S | Anthracene-d10 | 0.921 | 0.940 | -2.1 | 116 | 0.00 |
| 71 | | Anthracene | 1.091 | 1.122 | -2.8 | 117 | 0.00 |
| 72 | | Carbazole | 0.939 | 0.977 | -4.0 | 116 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.077 | 1.164 | -8.1 | 118 | 0.00 |
| 74 | C | Fluoranthene | 1.223 | 1.290 | -5.5 | 114 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 76 | S | Pyrene-d10 | 1.006 | 1.025 | -1.9 | 115 | 0.00 |
| 77 | | Pyrene | 1.323 | 1.344 | -1.6 | 114 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.465 | 0.520 | -11.8 | 117 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.341 | 0.365 | -7.0 | 113 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.156 | 1.192 | -3.1 | 111 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.650 | 0.718 | -10.5 | 115 | 0.00 |
| 82 | | Chrysene | 1.102 | 1.117 | -1.4 | 110 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.390 | 1.459 | -5.0 | 113 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.258 | 1.329 | -5.6 | 105 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.203 | 1.262 | -4.9 | 107 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.919 | 0.953 | -3.7 | 104 | 0.00 |

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Quant Title : SVOA CALIBRATION
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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) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.137 | 1.175 | -3.3 | 103 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.124 | 1.119 | 0.4 | 101 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.943 | 0.940 | 0.3 | 100 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.936 | 0.913 | 2.5 | 99 | -0.01 |

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