

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081418\  
 Data File : BN002331.D  
 Acq On : 14 Aug 2018 13:48  
 Operator : JU/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 10:31:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 13 23:38:34 2018  
 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   | 101   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.453 | 0.436 | 3.8   | 99    | 0.00     |
| 3 S  | 1,4-Dioxane-d8              | 0.424 | 0.430 | -1.4  | 101   | 0.00     |
| 4    | Benzaldehyde                | 1.260 | 1.356 | -7.6  | 107   | 0.00     |
| 5 S  | Phenol-d5                   | 1.834 | 1.901 | -3.7  | 108   | 0.00     |
| 6    | Phenol                      | 1.868 | 1.937 | -3.7  | 107   | 0.00     |
| 7 S  | Bis-(2-Chloroethyl)ether-d8 | 1.152 | 1.222 | -6.1  | 108   | 0.00     |
| 8    | Bis(2-Chloroethyl)ether     | 1.420 | 1.481 | -4.3  | 105   | 0.00     |
| 9 S  | 2-Chlorophenol-d4           | 1.397 | 1.477 | -5.7  | 107   | 0.00     |
| 10   | 2-Chlorophenol              | 1.406 | 1.486 | -5.7  | 107   | 0.00     |
| 11   | 2-Methylphenol              | 1.409 | 1.480 | -5.0  | 109   | 0.00     |
| 12   | 2,2'-oxybis(1-Chloropropane | 2.351 | 2.525 | -7.4  | 107   | 0.00     |
| 13 S | 4-Methylphenol-d8           | 1.466 | 1.543 | -5.3  | 108   | 0.00     |
| 14   | Acetophenone                | 2.344 | 2.501 | -6.7  | 106   | 0.00     |
| 15 P | N-Nitroso-di-n-propylamine  | 1.237 | 1.333 | -7.8  | 107   | 0.00     |
| 16   | 4-Methylphenol              | 1.533 | 1.614 | -5.3  | 108   | 0.00     |
| 17   | Hexachloroethane            | 0.589 | 0.606 | -2.9  | 105   | 0.00     |
| 18 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 19 S | Nitrobenzene-d5             | 0.159 | 0.167 | -5.0  | 107   | 0.00     |
| 20   | Nitrobenzene                | 0.381 | 0.404 | -6.0  | 109   | 0.00     |
| 21   | Isophorone                  | 0.734 | 0.793 | -8.0  | 109   | 0.00     |
| 22 S | 2-Nitrophenol-d4            | 0.167 | 0.180 | -7.8  | 107   | 0.00     |
| 23 C | 2-Nitrophenol               | 0.176 | 0.189 | -7.4  | 108   | 0.00     |
| 24   | 2,4-Dimethylphenol          | 0.361 | 0.391 | -8.3  | 108   | 0.00     |
| 25   | Bis(2-Chloroethoxy)methane  | 0.433 | 0.461 | -6.5  | 108   | 0.00     |
| 26 S | 2,4-Dichlorophenol-d3       | 0.308 | 0.332 | -7.8  | 108   | 0.00     |
| 27 C | 2,4-Dichlorophenol          | 0.298 | 0.325 | -9.1  | 109   | 0.00     |
| 28   | Naphthalene                 | 1.029 | 1.088 | -5.7  | 108   | 0.00     |
| 29 S | 4-Chloroaniline-d4          | 0.333 | 0.338 | -1.5  | 103   | 0.00     |
| 30   | 4-Chloroaniline             | 0.336 | 0.340 | -1.2  | 101   | 0.00     |
| 31 C | Hexachlorobutadiene         | 0.188 | 0.193 | -2.7  | 106   | 0.00     |
| 32   | Caprolactam                 | 0.112 | 0.122 | -8.9  | 113   | 0.00     |
| 33 C | 4-Chloro-3-methylphenol     | 0.343 | 0.374 | -9.0  | 109   | 0.00     |
| 34   | 2-Methylnaphthalene         | 0.759 | 0.807 | -6.3  | 108   | 0.00     |
| 35 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 36   | 1,2,4,5-Tetrachlorobenzene  | 0.606 | 0.643 | -6.1  | 108   | 0.00     |
| 37   | Hexachlorocyclopentadiene   | 0.368 | 0.363 | 1.4   | 105   | 0.00     |
| 38 C | 2,4,6-Trichlorophenol       | 0.390 | 0.426 | -9.2  | 109   | 0.00     |
| 39   | 2,4,5-Trichlorophenol       | 0.417 | 0.455 | -9.1  | 113   | 0.00     |
| 40   | 1,1'-Biphenyl               | 1.601 | 1.699 | -6.1  | 107   | 0.00     |
| 41   | 2-Chloronaphthalene         | 1.248 | 1.317 | -5.5  | 107   | 0.00     |
| 42   | 2-Nitroaniline              | 0.398 | 0.442 | -11.1 | 110   | 0.00     |
| 43 S | Dimethylphthalate-d6        | 1.658 | 1.764 | -6.4  | 108   | 0.00     |
| 44   | Dimethylphthalate           | 1.626 | 1.717 | -5.6  | 107   | 0.00     |

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

|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 45   | 2,6-Dinitrotoluene          | 0.329 | 0.362 | -10.0 | 109   | 0.00     |
| 46 S | Acenaphthylene-d8           | 2.034 | 2.199 | -8.1  | 109   | 0.00     |
| 47   | Acenaphthylene              | 1.936 | 2.076 | -7.2  | 108   | 0.00     |
| 48   | 3-Nitroaniline              | 0.313 | 0.330 | -5.4  | 106   | 0.00     |
| 49 C | Acenaphthene                | 1.366 | 1.450 | -6.1  | 109   | 0.00     |
| 50   | 2,4-Dinitrophenol           | 0.197 | 0.193 | 2.0   | 112   | 0.00     |
| 51 S | 4-Nitrophenol-d4            | 0.313 | 0.328 | -4.8  | 108   | 0.00     |
| 52   | 4-Nitrophenol               | 0.238 | 0.247 | -3.8  | 106   | 0.00     |
| 53   | Dibenzofuran                | 1.927 | 2.042 | -6.0  | 108   | 0.00     |
| 54   | 2,4-Dinitrotoluene          | 0.495 | 0.541 | -9.3  | 109   | 0.00     |
| 55   | 2,3,4,6-Tetrachlorophenol   | 0.364 | 0.401 | -10.2 | 110   | 0.00     |
| 56   | Diethylphthalate            | 1.659 | 1.770 | -6.7  | 107   | 0.00     |
| 57 S | Fluorene-d10                | 1.437 | 1.507 | -4.9  | 107   | 0.00     |
| 58   | Fluorene                    | 1.577 | 1.689 | -7.1  | 108   | 0.00     |
| 59   | 4-Chlorophenyl-phenylether  | 0.778 | 0.818 | -5.1  | 106   | 0.00     |
| 60   | 4-Nitroaniline              | 0.404 | 0.437 | -8.2  | 108   | 0.00     |
| 61 I | Phenanthrene-d10            | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 62 S | 4,6-Dinitro-2-methylphenol- | 0.127 | 0.131 | -3.1  | 109   | 0.00     |
| 63   | 4,6-Dinitro-2-methylphenol  | 0.131 | 0.135 | -3.1  | 108   | 0.00     |
| 64   | N-Nitrosodiphenylamine      | 0.584 | 0.624 | -6.8  | 108   | 0.00     |
| 65   | 4-Bromophenyl-phenylether   | 0.204 | 0.215 | -5.4  | 107   | 0.00     |
| 66   | Hexachlorobenzene           | 0.228 | 0.240 | -5.3  | 107   | 0.00     |
| 67   | Atrazine                    | 0.214 | 0.230 | -7.5  | 108   | 0.00     |
| 68 C | Pentachlorophenol           | 0.127 | 0.130 | -2.4  | 109   | 0.00     |
| 69   | Phenanthrene                | 1.103 | 1.166 | -5.7  | 108   | 0.00     |
| 70 S | Anthracene-d10              | 0.955 | 1.016 | -6.4  | 108   | 0.00     |
| 71   | Anthracene                  | 1.118 | 1.195 | -6.9  | 108   | 0.00     |
| 72   | 1,2,3,4-Tetrachlorobenzene  | 0.280 | 0.298 | -6.4  | 109   | 0.00     |
| 73   | Pentachlorobenzene          | 0.267 | 0.281 | -5.2  | 108   | 0.00     |
| 74   | Carbazole                   | 0.992 | 1.081 | -9.0  | 109   | 0.00     |
| 75   | Di-n-butylphthalate         | 1.206 | 1.304 | -8.1  | 108   | 0.00     |
| 76 C | Fluoranthene                | 1.255 | 1.366 | -8.8  | 108   | 0.00     |
| 77 I | Chrysene-d12                | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 78 S | Pyrene-d10                  | 0.957 | 1.025 | -7.1  | 108   | 0.00     |
| 79   | Pyrene                      | 1.206 | 1.288 | -6.8  | 108   | 0.00     |
| 80   | Butylbenzylphthalate        | 0.511 | 0.566 | -10.8 | 111   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine      | 0.399 | 0.414 | -3.8  | 104   | 0.00     |
| 82   | Benzo(a)anthracene          | 1.225 | 1.314 | -7.3  | 109   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate  | 0.766 | 0.837 | -9.3  | 109   | 0.00     |
| 84   | Chrysene                    | 1.160 | 1.225 | -5.6  | 108   | 0.00     |
| 85 I | Perylene-d12                | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 86   | Di-n-octyl phthalate        | 1.271 | 1.381 | -8.7  | 110   | 0.00     |
| 87   | Benzo(b)fluoranthene        | 1.199 | 1.306 | -8.9  | 113   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.129 | 1.174 | -4.0 | 103   | 0.00     |
| 89 S | Benzo(a)pyrene-d12     | 1.046 | 1.109 | -6.0 | 108   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.142 | 1.202 | -5.3 | 108   | 0.00     |
| 91   | Indeno(1,2,3-cd)pyrene | 1.359 | 1.436 | -5.7 | 108   | 0.00     |
| 92   | Dibenzo(a,h)anthracene | 1.136 | 1.212 | -6.7 | 109   | 0.00     |
| 93   | Benzo(g,h,i)perylene   | 1.134 | 1.207 | -6.4 | 110   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0