

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM081916\  
 Data File : BM007229.D  
 Acq On : 19 Aug 2016 09:49  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02054

Quant Time: Aug 19 13:08:07 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 19 09:10:25 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.476 | 0.469 | 1.5   | 97    | 0.00     |
| 3 S  | 1,4-Dioxane-d8              | 0.458 | 0.476 | -3.9  | 99    | 0.00     |
| 4    | Benzaldehyde                | 0.974 | 1.007 | -3.4  | 93    | 0.00     |
| 5 S  | Phenol-d5                   | 1.620 | 1.579 | 2.5   | 95    | 0.00     |
| 6    | Phenol                      | 1.707 | 1.657 | 2.9   | 95    | 0.00     |
| 7 S  | Bis-(2-Chloroethyl)ether-d8 | 0.929 | 0.915 | 1.5   | 94    | 0.00     |
| 8    | Bis(2-Chloroethyl)ether     | 1.259 | 1.234 | 2.0   | 94    | 0.00     |
| 9 S  | 2-Chlorophenol-d4           | 1.290 | 1.283 | 0.5   | 96    | 0.00     |
| 10   | 2-Chlorophenol              | 1.320 | 1.334 | -1.1  | 96    | 0.00     |
| 11   | 2-Methylphenol              | 1.283 | 1.228 | 4.3   | 95    | 0.00     |
| 12   | 2,2'-oxybis(1-Chloropropane | 1.443 | 1.373 | 4.9   | 93    | 0.00     |
| 13 S | 4-Methylphenol-d8           | 1.333 | 1.255 | 5.9   | 94    | 0.00     |
| 14   | Acetophenone                | 2.053 | 1.990 | 3.1   | 94    | 0.00     |
| 15 P | N-Nitroso-di-n-propylamine  | 1.068 | 0.997 | 6.6   | 90    | 0.00     |
| 16   | 4-Methylphenol              | 1.401 | 1.334 | 4.8   | 95    | 0.00     |
| 17   | Hexachloroethane            | 0.551 | 0.533 | 3.3   | 94    | 0.00     |
| 18 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 19 S | Nitrobenzene-d5             | 0.145 | 0.149 | -2.8  | 95    | 0.00     |
| 20   | Nitrobenzene                | 0.374 | 0.386 | -3.2  | 96    | 0.00     |
| 21   | Isophorone                  | 0.700 | 0.666 | 4.9   | 89    | 0.00     |
| 22 S | 2-Nitrophenol-d4            | 0.155 | 0.165 | -6.5  | 99    | 0.00     |
| 23 C | 2-Nitrophenol               | 0.170 | 0.180 | -5.9  | 97    | 0.00     |
| 24   | 2,4-Dimethylphenol          | 0.389 | 0.389 | 0.0   | 93    | 0.00     |
| 25   | Bis(2-Chloroethoxy)methane  | 0.420 | 0.406 | 3.3   | 91    | 0.00     |
| 26 S | 2,4-Dichlorophenol-d3       | 0.325 | 0.331 | -1.8  | 96    | 0.00     |
| 27 C | 2,4-Dichlorophenol          | 0.324 | 0.328 | -1.2  | 95    | 0.00     |
| 28   | Naphthalene                 | 0.991 | 0.990 | 0.1   | 94    | 0.00     |
| 29 S | 4-Chloroaniline-d4          | 0.387 | 0.390 | -0.8  | 90    | 0.00     |
| 30   | 4-Chloroaniline             | 0.397 | 0.400 | -0.8  | 90    | 0.00     |
| 31 C | Hexachlorobutadiene         | 0.239 | 0.247 | -3.3  | 97    | 0.00     |
| 32   | Caprolactam                 | 0.110 | 0.096 | 12.7  | 85    | 0.00     |
| 33 C | 4-Chloro-3-methylphenol     | 0.354 | 0.346 | 2.3   | 91    | 0.00     |
| 34   | 2-Methylnaphthalene         | 0.764 | 0.745 | 2.5   | 91    | 0.00     |
| 35 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 36   | 1,2,4,5-Tetrachlorobenzene  | 0.707 | 0.771 | -9.1  | 92    | 0.00     |
| 37   | Hexachlorocyclopentadiene   | 0.450 | 0.318 | 29.3# | 60    | 0.00     |
| 38 C | 2,4,6-Trichlorophenol       | 0.454 | 0.480 | -5.7  | 90    | 0.00     |
| 39   | 2,4,5-Trichlorophenol       | 0.475 | 0.499 | -5.1  | 89    | 0.00     |
| 40   | 1,1'-Biphenyl               | 1.605 | 1.671 | -4.1  | 89    | 0.00     |
| 41   | 2-Chloronaphthalene         | 1.259 | 1.307 | -3.8  | 89    | 0.00     |
| 42   | 2-Nitroaniline              | 0.361 | 0.376 | -4.2  | 89    | 0.00     |
| 43 S | Dimethylphthalate-d6        | 1.653 | 1.621 | 1.9   | 85    | 0.00     |
| 44   | Dimethylphthalate           | 1.652 | 1.611 | 2.5   | 84    | 0.00     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 LabSampleId :  
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Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
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|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 45   | 2,6-Dinitrotoluene          | 0.321 | 0.329 | -2.5  | 88    | 0.00     |
| 46 S | Acenaphthylene-d8           | 1.985 | 2.034 | -2.5  | 87    | 0.00     |
| 47   | Acenaphthylene              | 2.043 | 2.074 | -1.5  | 87    | 0.00     |
| 48   | 3-Nitroaniline              | 0.317 | 0.321 | -1.3  | 83    | 0.00     |
| 49 C | Acenaphthene                | 1.327 | 1.345 | -1.4  | 87    | 0.00     |
| 50   | 2,4-Dinitrophenol           | 0.190 | 0.132 | 30.5# | 70    | 0.00     |
| 51 S | 4-Nitrophenol-d4            | 0.296 | 0.264 | 10.8  | 78    | 0.00     |
| 52   | 4-Nitrophenol               | 0.301 | 0.278 | 7.6   | 81    | 0.00     |
| 53   | Dibenzofuran                | 1.969 | 1.972 | -0.2  | 87    | 0.00     |
| 54   | 2,4-Dinitrotoluene          | 0.474 | 0.470 | 0.8   | 85    | 0.00     |
| 55   | 2,3,4,6-Tetrachlorophenol   | 0.459 | 0.460 | -0.2  | 86    | 0.00     |
| 56   | Diethylphthalate            | 1.742 | 1.600 | 8.2   | 81    | 0.00     |
| 57 S | Fluorene-d10                | 1.445 | 1.440 | 0.3   | 86    | 0.00     |
| 58   | Fluorene                    | 1.588 | 1.564 | 1.5   | 84    | 0.00     |
| 59   | 4-Chlorophenyl-phenylether  | 0.838 | 0.824 | 1.7   | 84    | 0.00     |
| 60   | 4-Nitroaniline              | 0.372 | 0.330 | 11.3  | 75    | 0.00     |
| 61 I | Phenanthrene-d10            | 1.000 | 1.000 | 0.0   | 83    | 0.00     |
| 62 S | 4,6-Dinitro-2-methylphenol- | 0.111 | 0.092 | 17.1  | 74    | 0.00     |
| 63   | 4,6-Dinitro-2-methylphenol  | 0.120 | 0.102 | 15.0  | 73    | 0.00     |
| 64   | N-Nitrosodiphenylamine      | 0.566 | 0.584 | -3.2  | 82    | 0.00     |
| 65   | 4-Bromophenyl-phenylether   | 0.227 | 0.236 | -4.0  | 85    | 0.00     |
| 66   | Hexachlorobenzene           | 0.256 | 0.265 | -3.5  | 85    | 0.00     |
| 67   | Atrazine                    | 0.228 | 0.227 | 0.4   | 80    | 0.00     |
| 68 C | Pentachlorophenol           | 0.158 | 0.150 | 5.1   | 80    | 0.00     |
| 69   | Phenanthrene                | 1.076 | 1.094 | -1.7  | 83    | 0.00     |
| 70 S | Anthracene-d10              | 0.927 | 0.947 | -2.2  | 82    | 0.00     |
| 71   | Anthracene                  | 1.104 | 1.128 | -2.2  | 82    | 0.00     |
| 72   | Carbazole                   | 0.951 | 0.980 | -3.0  | 80    | 0.00     |
| 73   | Di-n-butylphthalate         | 1.163 | 1.165 | -0.2  | 80    | 0.00     |
| 74 C | Fluoranthene                | 1.305 | 1.402 | -7.4  | 82    | 0.00     |
| 75 I | Chrysene-d12                | 1.000 | 1.000 | 0.0   | 79    | 0.00     |
| 76 S | Pyrene-d10                  | 0.844 | 0.872 | -3.3  | 81    | 0.00     |
| 77   | Pyrene                      | 1.106 | 1.126 | -1.8  | 80    | 0.00     |
| 78   | Butylbenzylphthalate        | 0.430 | 0.446 | -3.7  | 80    | 0.00     |
| 79   | 3,3'-Dichlorobenzidine      | 0.386 | 0.393 | -1.8  | 69    | 0.00     |
| 80   | Benzo(a)anthracene          | 1.182 | 1.207 | -2.1  | 80    | 0.00     |
| 81   | Bis(2-ethylhexyl)phthalate  | 0.636 | 0.641 | -0.8  | 77    | 0.00     |
| 82   | Chrysene                    | 1.080 | 1.078 | 0.2   | 77    | 0.00     |
| 83 I | Perylene-d12                | 1.000 | 1.000 | 0.0   | 77    | 0.00     |
| 84   | Di-n-octyl phthalate        | 1.032 | 1.083 | -4.9  | 76    | 0.00     |
| 85   | Benzo(b)fluoranthene        | 1.205 | 1.224 | -1.6  | 75    | 0.00     |
| 86   | Benzo(k)fluoranthene        | 1.131 | 1.144 | -1.1  | 76    | 0.00     |
| 87 S | Benzo(a)pyrene-d12          | 0.915 | 0.930 | -1.6  | 76    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88 C | Benzo(a)pyrene         | 1.142 | 1.157 | -1.3 | 76    | 0.00     |
| 89   | Indeno(1,2,3-cd)pyrene | 1.400 | 1.383 | 1.2  | 74    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.175 | 1.160 | 1.3  | 73    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 1.183 | 1.152 | 2.6  | 74    | 0.00     |

(#) = Out of Range

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