

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM103116\  
 Data File : BM007751.D  
 Acq On : 31 Oct 2016 17:50  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02065

Quant Time: Nov 01 10:22:21 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM102016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 01 10:21:22 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 161884   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 629502   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.39 | 164  | 410054   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.13 | 188  | 811929   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.32 | 240  | 1040036  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.57 | 264  | 1069359  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 28982  | 7.67  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.93  | 99  | 259155 | 20.74 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 150199 | 20.26 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.29  | 132 | 204040 | 21.29 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 202829 | 20.75 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 96714  | 21.35 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.62  | 143 | 105386 | 21.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 200632 | 21.25 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 244298 | 22.68 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.79 | 166 | 581164 | 20.82 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.07 | 160 | 706116 | 21.01 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.60 | 143 | 87139  | 19.74 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.38 | 176 | 504186 | 20.60 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 93279  | 19.34 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.23 | 188 | 776963 | 21.24 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.53 | 212 | 888923 | 20.80 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.43 | 264 | 979160 | 20.97 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Qvalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.32  | 88  | 31224  | 7.56  | ng/uL 94  |
| 4) Benzaldehyde                | 6.90  | 77  | 182607 | 23.11 | ng/ul 98  |
| 6) Phenol                      | 6.95  | 94  | 262316 | 20.45 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.18  | 93  | 200823 | 20.33 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.32  | 128 | 207538 | 21.11 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.19  | 108 | 195122 | 20.90 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.28  | 45  | 223615 | 20.41 | ng/ul 99  |
| 14) Acetophenone               | 8.57  | 105 | 314043 | 20.48 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.55  | 70  | 161135 | 21.18 | ng/ul 96  |
| 16) 4-Methylphenol             | 8.52  | 108 | 209367 | 20.81 | ng/ul 98  |
| 17) Hexachloroethane           | 8.82  | 117 | 91562  | 21.08 | ng/ul 99  |
| 20) Nitrobenzene               | 8.95  | 77  | 240816 | 20.67 | ng/ul 99  |
| 21) Isophorone                 | 9.47  | 82  | 437995 | 21.98 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.65  | 139 | 109969 | 21.91 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.72  | 107 | 244756 | 21.38 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.95  | 93  | 256492 | 21.04 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.18 | 162 | 199848 | 21.49 | ng/ul 95  |
| 28) Naphthalene                | 10.58 | 128 | 629695 | 20.56 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.70 | 127 | 245954 | 22.49 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.86 | 225 | 156461 | 20.65 | ng/ul 97  |
| 32) Caprolactam                | 11.48 | 113 | 54479  | 21.12 | ng/ul 91  |
| 33) 4-Chloro-3-methylphenol    | 11.82 | 107 | 215060 | 22.06 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 12.19 | 142 | 455609 | 20.92 | ng/ul 100 |

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 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02065

Quant Time: Nov 01 10:22:21 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM102016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 01 10:21:22 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216  | 273285   | 20.65 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.54 | 237  | 122697   | 15.74 | ng/ul  | 94       |
| 38) 2,4,6-Trichlorophenol      | 12.81 | 196  | 160048   | 21.74 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.89 | 196  | 168046   | 20.84 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.21 | 154  | 594004   | 20.54 | ng/ul  | 100      |
| 41) 2-Chloronaphthalene        | 13.26 | 162  | 454649   | 20.55 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.47 | 65   | 129201   | 22.02 | ng/ul  | 99       |
| 44) Dimethylphthalate          | 13.84 | 163  | 563338   | 20.78 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.97 | 165  | 112275   | 22.01 | ng/ul  | 95       |
| 47) Acenaphthylene             | 14.10 | 152  | 720955   | 21.16 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.30 | 138  | 114367   | 22.68 | ng/ul  | 94       |
| 49) Acenaphthene               | 14.44 | 153  | 479468   | 20.39 | ng/ul  | 100      |
| 50) 2,4-Dinitrophenol          | 14.52 | 184  | 53754    | 17.12 | ng/ul  | 93       |
| 52) 4-Nitrophenol              | 14.62 | 109  | 85172    | 19.45 | ng/ul  | 99       |
| 53) Dibenzofuran               | 14.79 | 168  | 685094   | 20.29 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.76 | 165  | 163467   | 22.21 | ng/ul  | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.02 | 232  | 152082   | 21.15 | ng/ul# | 99       |
| 56) Diethylphthalate           | 15.21 | 149  | 565687   | 21.08 | ng/ul  | 99       |
| 58) Fluorene                   | 15.43 | 166  | 566310   | 21.01 | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.43 | 204  | 298851   | 20.80 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.47 | 138  | 117883   | 23.18 | ng/ul  | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.53 | 198  | 96340    | 19.33 | ng/ul  | 98       |
| 64) N-Nitrosodiphenylamine     | 15.64 | 169  | 488964   | 21.07 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.32 | 248  | 195009   | 21.06 | ng/ul  | 99       |
| 66) Hexachlorobenzene          | 16.44 | 284  | 214575   | 20.92 | ng/ul  | 97       |
| 67) Atrazine                   | 16.60 | 200  | 186359   | 20.84 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.79 | 266  | 115604   | 20.11 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.17 | 178  | 901863   | 20.90 | ng/ul  | 99       |
| 71) Anthracene                 | 17.26 | 178  | 920760   | 20.94 | ng/ul  | 100      |
| 72) Carbazole                  | 17.54 | 167  | 800521   | 21.04 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.09 | 149  | 942447   | 22.24 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.19 | 202  | 1073987  | 21.28 | ng/ul  | 99       |
| 77) Pyrene                     | 19.56 | 202  | 1117086  | 20.79 | ng/ul  | 97       |
| 78) Butylbenzylphthalate       | 20.45 | 149  | 447031   | 23.39 | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.24 | 252  | 410574   | 22.23 | ng/ul  | 99       |
| 80) Benzo(a)anthracene         | 21.30 | 228  | 1168123  | 21.01 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 661204   | 23.49 | ng/ul  | 98       |
| 82) Chrysene                   | 21.36 | 228  | 1114730  | 20.87 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.10 | 149  | 1164609  | 21.48 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.89 | 252  | 1231318  | 20.15 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 22.94 | 252  | 1190860  | 21.18 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.47 | 252  | 1199104  | 20.84 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.84 | 276  | 1441259  | 20.91 | ng/ul  | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.85 | 278  | 1211424  | 20.83 | ng/ul  | 99       |
| 91) Benzo(g,h,i)perylene       | 26.54 | 276  | 1205296  | 20.82 | ng/ul  | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

