

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM011518\  
 Data File : BM013588.D  
 Acq On : 15 Jan 2018 16:57  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02019

Quant Time: Jan 16 00:56:01 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 16 00:49:48 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 136115   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 514621   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.27 | 164  | 287724   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 654604   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.22 | 240  | 710029   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.42 | 264  | 689261   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 25580  | 7.43  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.80  | 99  | 215551 | 20.63 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 130215 | 20.57 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.16  | 132 | 181914 | 21.37 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.33  | 113 | 159155 | 19.81 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 86420  | 21.64 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 88188  | 20.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 171125 | 20.99 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 169298 | 23.94 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.69 | 166 | 492637 | 20.77 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.96 | 160 | 648952 | 21.46 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.49 | 143 | 73350  | 19.03 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.27 | 176 | 420697 | 20.17 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 75780  | 19.23 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 670751 | 21.04 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.42 | 212 | 711206 | 21.51 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.28 | 264 | 655435 | 20.69 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.20  | 88  | 29027  | 7.694  | ng/uL# 66 |
| 4) Benzaldehyde                | 6.77  | 77  | 150632 | 20.830 | ng/ul 90  |
| 6) Phenol                      | 6.83  | 94  | 210679 | 20.102 | ng/ul# 89 |
| 8) Bis(2-Chloroethyl)ether     | 7.06  | 93  | 173722 | 21.182 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.19  | 128 | 175837 | 20.721 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.07  | 108 | 156337 | 20.236 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.16  | 45  | 176921 | 21.201 | ng/ul# 81 |
| 14) Acetophenone               | 8.45  | 105 | 262030 | 19.712 | ng/ul 89  |
| 15) N-Nitroso-di-n-propylamine | 8.43  | 70  | 129418 | 19.956 | ng/ul# 69 |
| 16) 4-Methylphenol             | 8.39  | 108 | 166309 | 20.132 | ng/ul 94  |
| 17) Hexachloroethane           | 8.68  | 117 | 80746  | 19.548 | ng/ul# 73 |
| 20) Nitrobenzene               | 8.82  | 77  | 210236 | 20.380 | ng/ul 95  |
| 21) Isophorone                 | 9.34  | 82  | 340214 | 20.412 | ng/ul# 94 |
| 23) 2-Nitrophenol              | 9.52  | 139 | 93473  | 21.257 | ng/ul# 77 |
| 24) 2,4-Dimethylphenol         | 9.59  | 107 | 190359 | 20.533 | ng/ul# 87 |
| 25) Bis(2-Chloroethoxy)methane | 9.82  | 93  | 215222 | 21.181 | ng/ul 96  |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 163246 | 20.781 | ng/ul 94  |
| 28) Naphthalene                | 10.45 | 128 | 541502 | 21.151 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.57 | 127 | 167978 | 23.954 | ng/ul 96  |
| 31) Hexachlorobutadiene        | 10.73 | 225 | 132728 | 20.583 | ng/ul 91  |
| 32) Caprolactam                | 11.35 | 113 | 43673  | 19.984 | ng/ul# 31 |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 159965 | 20.087 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.07 | 142 | 392908 | 20.584 | ng/ul 92  |

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 Acq On : 15 Jan 2018 16:57  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02019

Quant Time: Jan 16 00:56:01 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 16 00:49:48 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216  | 226176   | 21.215 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.42 | 237  | 77549    | 17.521 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.69 | 196  | 135343   | 21.932 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.77 | 196  | 137653   | 21.437 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.10 | 154  | 509926   | 21.291 | ng/ul  | 96       |
| 41) 2-Chloronaphthalene        | 13.14 | 162  | 400633   | 21.399 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.36 | 65   | 107835   | 20.880 | ng/ul  | 95       |
| 44) Dimethylphthalate          | 13.73 | 163  | 473766   | 20.320 | ng/ul# | 98       |
| 45) 2,6-Dinitrotoluene         | 13.86 | 165  | 93284    | 20.646 | ng/ul  | 95       |
| 47) Acenaphthylene             | 13.99 | 152  | 582112   | 21.039 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.19 | 138  | 74310    | 20.913 | ng/ul  | 92       |
| 49) Acenaphthene               | 14.33 | 153  | 405695   | 21.172 | ng/ul  | 97       |
| 50) 2,4-Dinitrophenol          | 14.41 | 184  | 39588    | 15.285 | ng/ul  | 91       |
| 52) 4-Nitrophenol              | 14.51 | 109  | 71858    | 18.355 | ng/ul  | 86       |
| 53) Dibenzofuran               | 14.67 | 168  | 594121   | 20.610 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.66 | 165  | 137104   | 20.816 | ng/ul# | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 123140   | 20.388 | ng/ul# | 84       |
| 56) Diethylphthalate           | 15.11 | 149  | 463539   | 19.755 | ng/ul  | 95       |
| 58) Fluorene                   | 15.32 | 166  | 490751   | 20.782 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.33 | 204  | 259065   | 20.304 | ng/ul  | 96       |
| 60) 4-Nitroaniline             | 15.36 | 138  | 84911    | 20.423 | ng/ul  | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 198  | 74503    | 17.914 | ng/ul# | 96       |
| 64) N-Nitrosodiphenylamine     | 15.54 | 169  | 403073   | 20.936 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.22 | 248  | 159277   | 20.601 | ng/ul  | 95       |
| 66) Hexachlorobenzene          | 16.33 | 284  | 167827   | 20.166 | ng/ul# | 92       |
| 67) Atrazine                   | 16.50 | 200  | 157182   | 20.456 | ng/ul  | 91       |
| 68) Pentachlorophenol          | 16.68 | 266  | 82839    | 18.732 | ng/ul  | 96       |
| 69) Phenanthrene               | 17.06 | 178  | 746059   | 20.504 | ng/ul  | 98       |
| 71) Anthracene                 | 17.16 | 178  | 771937   | 20.568 | ng/ul  | 98       |
| 72) Carbazole                  | 17.43 | 167  | 624801   | 20.168 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.00 | 149  | 750101   | 20.587 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.09 | 202  | 873366   | 20.108 | ng/ul# | 92       |
| 77) Pyrene                     | 19.45 | 202  | 915616   | 21.212 | ng/ul# | 93       |
| 78) Butylbenzylphthalate       | 20.36 | 149  | 325832   | 21.429 | ng/ul  | 96       |
| 79) 3,3'-Dichlorobenzidine     | 21.14 | 252  | 253039   | 21.543 | ng/ul# | 94       |
| 80) Benzo(a)anthracene         | 21.20 | 228  | 890506   | 20.756 | ng/ul  | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 489562   | 21.460 | ng/ul  | 99       |
| 82) Chrysene                   | 21.26 | 228  | 809269   | 20.561 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.01 | 149  | 819461   | 19.728 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 22.76 | 252  | 923053   | 21.807 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 22.80 | 252  | 813579   | 19.885 | ng/ul# | 98       |
| 88) Benzo(a)pyrene             | 23.32 | 252  | 827046   | 20.683 | ng/ul# | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.62 | 276  | 965827   | 20.461 | ng/ul# | 94       |
| 90) Dibenzo(a,h)anthracene     | 25.63 | 278  | 823368   | 20.656 | ng/ul# | 96       |
| 91) Benzo(g,h,i)perylene       | 26.29 | 276  | 784456   | 20.192 | ng/ul# | 95       |

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

