

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\  
 Data File : BM014468.D  
 Acq On : 05 Mar 2018 12:04  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02031

Manual Integrations  
 APPROVED

Sohil  
 3/6/2018 5:46:46 PM

Quant Time: Mar 05 14:25:08 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 02 22:33:42 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 95378    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.29 | 136  | 415152   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.18 | 164  | 254590   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.94 | 188  | 588695   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.16 | 240  | 525878   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.34 | 264  | 507682   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.09  | 96  | 13208m  | 5.93  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.73  | 99  | 155129  | 19.24 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 95148   | 19.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.06  | 132 | 126175  | 20.41 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.25  | 113 | 132323  | 18.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.68  | 128 | 64539   | 21.04 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.39  | 143 | 70771   | 22.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.94  | 165 | 129070  | 19.62 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.45 | 131 | 148230  | 22.88 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.60 | 166 | 444880  | 21.16 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.87 | 160 | 540400  | 20.84 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.50 | 143 | 80455m  | 27.72 | ng/ul | 0.04 |
| 57) Fluorene-d10               | 15.18 | 176 | 364324  | 19.34 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 68150   | 19.30 | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.04 | 188 | 559058  | 19.68 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.36 | 212 | 575821  | 21.23 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.21 | 264 | 468844m | 18.97 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.12  | 88  | 11894   | 4.805  | ng/uL# 74 |
| 4) Benzaldehyde                | 6.69  | 77  | 70641   | 21.494 | ng/ul 96  |
| 6) Phenol                      | 6.76  | 94  | 160185  | 18.937 | ng/ul 96  |
| 8) Bis(2-Chloroethyl)ether     | 6.96  | 93  | 120279  | 19.597 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.09  | 128 | 125674  | 19.913 | ng/ul 98  |
| 11) 2-Methylphenol             | 7.99  | 108 | 120645  | 18.647 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.05  | 45  | 123205m | 19.892 | ng/ul     |
| 14) Acetophenone               | 8.35  | 105 | 214720  | 17.645 | ng/ul# 93 |
| 15) N-Nitroso-di-n-propylamine | 8.32  | 70  | 114565  | 18.786 | ng/ul# 75 |
| 16) 4-Methylphenol             | 8.32  | 108 | 127422  | 18.073 | ng/ul 100 |
| 17) Hexachloroethane           | 8.56  | 117 | 58519   | 17.800 | ng/ul# 71 |
| 20) Nitrobenzene               | 8.72  | 77  | 180014  | 19.840 | ng/ul 98  |
| 21) Isophorone                 | 9.24  | 82  | 317376  | 20.449 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.43  | 139 | 71854   | 20.893 | ng/ul 93  |
| 24) 2,4-Dimethylphenol         | 9.50  | 107 | 162180  | 19.234 | ng/ul 92  |
| 25) Bis(2-Chloroethoxy)methane | 9.72  | 93  | 167658  | 20.508 | ng/ul 95  |
| 27) 2,4-Dichlorophenol         | 9.97  | 162 | 124542  | 19.958 | ng/ul# 87 |
| 28) Naphthalene                | 10.34 | 128 | 415801  | 19.501 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.47 | 127 | 146528  | 22.174 | ng/ul 91  |
| 31) Hexachlorobutadiene        | 10.60 | 225 | 90615   | 18.303 | ng/ul 95  |
| 32) Caprolactam                | 11.27 | 113 | 43882   | 21.955 | ng/ul# 45 |
| 33) 4-Chloro-3-methylphenol    | 11.63 | 107 | 150509  | 19.961 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 11.96 | 142 | 309566  | 19.075 | ng/ul 92  |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\  
 Data File : BM014468.D  
 Acq On : 05 Mar 2018 12:04  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02031

Manual Integrations  
 APPROVED

Sohil  
 3/6/2018 5:46:46 PM

Quant Time: Mar 05 14:25:08 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 02 22:33:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.35 | 216  | 171674   | 21.007 | ng/ul# | 97       |
| 37) Hexachlorocyclopentadiene  | 12.30 | 237  | 109221   | 24.558 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.61 | 196  | 108893   | 21.357 | ng/ul  | 94       |
| 39) 2,4,5-Trichlorophenol      | 12.70 | 196  | 112454   | 21.582 | ng/ul  | 93       |
| 40) 1,1'-Biphenyl              | 13.00 | 154  | 419868   | 21.409 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.04 | 162  | 327486   | 20.904 | ng/ul  | 95       |
| 42) 2-Nitroaniline             | 13.28 | 65   | 121379   | 22.898 | ng/ul  | 96       |
| 44) Dimethylphthalate          | 13.65 | 163  | 439001   | 21.175 | ng/ul# | 98       |
| 45) 2,6-Dinitrotoluene         | 13.79 | 165  | 93064    | 23.627 | ng/ul# | 79       |
| 47) Acenaphthylene             | 13.90 | 152  | 498027   | 20.324 | ng/ul  | 97       |
| 48) 3-Nitroaniline             | 14.13 | 138  | 72385    | 21.682 | ng/ul  | 100      |
| 49) Acenaphthene               | 14.25 | 153  | 341899   | 19.815 | ng/ul  | 97       |
| 50) 2,4-Dinitrophenol          | 14.37 | 184  | 35002    | 16.523 | ng/ul# | 62       |
| 52) 4-Nitrophenol              | 14.50 | 109  | 75629    | 19.873 | ng/ul# | 50       |
| 53) Dibenzofuran               | 14.59 | 168  | 497548   | 19.231 | ng/ul  | 91       |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165  | 132764   | 21.037 | ng/ul# | 74       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.83 | 232  | 95108    | 18.050 | ng/ul# | 87       |
| 56) Diethylphthalate           | 15.02 | 149  | 469522   | 20.324 | ng/ul# | 93       |
| 58) Fluorene                   | 15.24 | 166  | 417400   | 18.688 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.23 | 204  | 215996   | 18.489 | ng/ul# | 87       |
| 60) 4-Nitroaniline             | 15.30 | 138  | 70464    | 18.821 | ng/ul# | 65       |
| 63) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 69722    | 19.398 | ng/ul# | 75       |
| 64) N-Nitrosodiphenylamine     | 15.46 | 169  | 353439   | 20.892 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.13 | 248  | 134061   | 20.408 | ng/ul# | 91       |
| 66) Hexachlorobenzene          | 16.25 | 284  | 140614   | 20.355 | ng/ul# | 85       |
| 67) Atrazine                   | 16.43 | 200  | 142950   | 21.396 | ng/ul  | 95       |
| 68) Pentachlorophenol          | 16.62 | 266  | 80843    | 22.333 | ng/ul  | 96       |
| 69) Phenanthrene               | 16.99 | 178  | 653645   | 19.271 | ng/ul  | 99       |
| 71) Anthracene                 | 17.08 | 178  | 660508   | 19.363 | ng/ul  | 99       |
| 72) Carbazole                  | 17.36 | 167  | 560451   | 19.540 | ng/ul# | 96       |
| 73) Di-n-butylphthalate        | 17.92 | 149  | 746374   | 20.170 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.02 | 202  | 725406   | 17.901 | ng/ul# | 95       |
| 77) Pyrene                     | 19.39 | 202  | 722168   | 20.664 | ng/ul# | 95       |
| 78) Butylbenzylphthalate       | 20.29 | 149  | 326872   | 22.621 | ng/ul# | 86       |
| 79) 3,3'-Dichlorobenzidine     | 21.09 | 252  | 219519   | 23.743 | ng/ul# | 95       |
| 80) Benzo(a)anthracene         | 21.14 | 228  | 656309   | 19.997 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 440310   | 21.276 | ng/ul# | 95       |
| 82) Chrysene                   | 21.20 | 228  | 602241   | 19.670 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 21.93 | 149  | 729080   | 16.736 | ng/ul# | 86       |
| 85) Benzo(b)fluoranthene       | 22.70 | 252  | 603768   | 17.761 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 22.74 | 252  | 589247   | 18.232 | ng/ul# | 98       |
| 88) Benzo(a)pyrene             | 23.26 | 252  | 583450   | 19.207 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.53 | 276  | 664298   | 22.536 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.53 | 278  | 554905   | 22.656 | ng/ul# | 93       |
| 91) Benzo(g,h,i)perylene       | 26.20 | 276  | 529494   | 22.174 | ng/ul# | 95       |

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

