

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\  
 Data File : BM003959.D  
 Acq On : 12 Jan 2016 17:43  
 Operator : SJ/UM  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02050

Quant Time: Jan 13 06:05:55 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM010116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 12 00:35:37 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 39556    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 184898   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.32 | 164  | 111177   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.07 | 188  | 248118   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.28 | 240  | 255850   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.52 | 264  | 210862   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 7195   | 8.14  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 70891  | 21.58 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 41512  | 22.36 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 57017  | 21.12 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 59188  | 22.24 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 27602  | 19.82 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 29327  | 19.21 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 55870  | 20.60 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 62453  | 17.44 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.73 | 166 | 183827 | 21.06 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.02 | 160 | 228752 | 21.51 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.54 | 143 | 30264  | 19.31 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.32 | 176 | 160641 | 21.70 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 25900  | 18.51 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.17 | 188 | 245793 | 21.42 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.47 | 212 | 266918 | 20.14 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.37 | 264 | 228770 | 21.72 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.16  | 88  | 7830   | 7.63  | ng/uL 95  |
| 4) Benzaldehyde                | 6.81  | 77  | 45476  | 23.62 | ng/ul 98  |
| 6) Phenol                      | 6.87  | 94  | 77920  | 22.49 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.09  | 93  | 58988  | 22.62 | ng/ul 96  |
| 10) 2-Chlorophenol             | 7.23  | 128 | 61888  | 21.94 | ng/ul 97  |
| 11) 2-Methylphenol             | 8.12  | 108 | 59232  | 22.36 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 68596  | 23.94 | ng/ul 94  |
| 14) Acetophenone               | 8.49  | 105 | 99009  | 23.89 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.47  | 70  | 48515  | 23.32 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.45  | 108 | 67550  | 23.52 | ng/ul 99  |
| 17) Hexachloroethane           | 8.74  | 117 | 23110  | 21.22 | ng/ul 99  |
| 20) Nitrobenzene               | 8.87  | 77  | 71100  | 21.66 | ng/ul 96  |
| 21) Isophorone                 | 9.39  | 82  | 132453 | 21.73 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.57  | 139 | 34906  | 20.61 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 9.64  | 107 | 74775  | 22.02 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.87  | 93  | 82271  | 21.83 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.11 | 162 | 60074  | 21.47 | ng/ul 99  |
| 28) Naphthalene                | 10.50 | 128 | 211566 | 21.96 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.62 | 127 | 68347  | 18.85 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.79 | 225 | 35436  | 20.58 | ng/ul 99  |
| 32) Caprolactam                | 11.37 | 113 | 17644  | 19.72 | ng/ul 92  |
| 33) 4-Chloro-3-methylphenol    | 11.76 | 107 | 68879  | 22.01 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 12.13 | 142 | 156170 | 22.93 | ng/ul 99  |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\  
 Data File : BM003959.D  
 Acq On : 12 Jan 2016 17:43  
 Operator : SJ/UM  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02050

Quant Time: Jan 13 06:05:55 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM010116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 12 00:35:37 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.35 | 142  | 147474   | 22.81 | ng/ul | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216  | 73998    | 20.81 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.48 | 237  | 30979    | 16.63 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.75 | 196  | 44641    | 19.48 | ng/ul | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.82 | 196  | 50416    | 20.29 | ng/ul | 98       |
| 41) 1,1'-Biphenyl              | 13.15 | 154  | 201946   | 21.56 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.19 | 162  | 151153   | 21.52 | ng/ul | 98       |
| 43) 2-Nitroaniline             | 13.40 | 65   | 39944    | 20.44 | ng/ul | 94       |
| 45) Dimethylphthalate          | 13.78 | 163  | 194381   | 21.85 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.91 | 165  | 37391    | 21.32 | ng/ul | 96       |
| 48) Acenaphthylene             | 14.05 | 152  | 253065   | 21.72 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.24 | 138  | 36653    | 19.28 | ng/ul | 98       |
| 50) Acenaphthene               | 14.39 | 153  | 169425   | 21.99 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.45 | 184  | 12792    | 15.03 | ng/ul | 95       |
| 53) 4-Nitrophenol              | 14.56 | 109  | 24666    | 19.91 | ng/ul | 89       |
| 54) Dibenzofuran               | 14.72 | 168  | 238060   | 22.07 | ng/ul | 99       |
| 55) 2,4-Dinitrotoluene         | 14.70 | 165  | 56958    | 22.36 | ng/ul | 94       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.96 | 232  | 41130    | 20.67 | ng/ul | 99       |
| 57) Diethylphthalate           | 15.15 | 149  | 197227   | 21.87 | ng/ul | 100      |
| 59) Fluorene                   | 15.37 | 166  | 194900   | 22.78 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.37 | 204  | 92195    | 22.34 | ng/ul | 96       |
| 61) 4-Nitroaniline             | 15.40 | 138  | 45519    | 22.87 | ng/ul | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 28645    | 19.18 | ng/ul | 97       |
| 65) N-Nitrosodiphenylamine     | 15.59 | 169  | 166780   | 21.40 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.26 | 248  | 53097    | 20.63 | ng/ul | 96       |
| 67) Hexachlorobenzene          | 16.38 | 284  | 59527    | 21.17 | ng/ul | 98       |
| 68) Atrazine                   | 16.54 | 200  | 55796    | 20.66 | ng/ul | 98       |
| 69) Pentachlorophenol          | 16.73 | 266  | 24422    | 17.84 | ng/ul | 98       |
| 70) Phenanthrene               | 17.12 | 178  | 311029   | 22.29 | ng/ul | 100      |
| 72) Anthracene                 | 17.20 | 178  | 319089   | 22.30 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216  | 69241    | 17.40 | ng/uL | 100      |
| 74) Pentachlorobenzene         | 14.65 | 250  | 69438    | 19.65 | ng/uL | 99       |
| 75) Carbazole                  | 17.48 | 167  | 283266   | 22.51 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.04 | 149  | 317045   | 20.63 | ng/ul | 99       |
| 77) Fluoranthene               | 19.14 | 202  | 346620   | 23.91 | ng/ul | 97       |
| 80) Pvrene                     | 19.50 | 202  | 366580   | 21.11 | ng/ul | 96       |
| 81) Butylbenzylphthalate       | 20.41 | 149  | 130533   | 18.62 | ng/ul | 93       |
| 82) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 95365    | 21.51 | ng/ul | 98       |
| 83) Benzo(a)anthracene         | 21.26 | 228  | 333409   | 21.88 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 183081   | 19.73 | ng/ul | 99       |
| 85) Chrysene                   | 21.32 | 228  | 314941   | 21.75 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 22.07 | 149  | 303772   | 21.61 | ng/ul | 99       |
| 88) Benzo(b)fluoranthene       | 22.84 | 252  | 301956   | 23.56 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.89 | 252  | 276667   | 22.68 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.42 | 252  | 273535   | 22.50 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.76 | 276  | 273905   | 20.37 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.77 | 278  | 229209   | 20.29 | ng/ul | 98       |
| 94) Benzo(a,h,i)perylene       | 26.46 | 276  | 227837   | 20.18 | ng/ul | 98       |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\  
Data File : BM003959.D  
Acq On : 12 Jan 2016 17:43  
Operator : SJ/UM  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD02050

Quant Time: Jan 13 06:05:55 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jan 12 00:35:37 2016  
Response via : Initial Calibration

| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

