

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012317\  
 Data File : BM008806.D  
 Acq On : 23 Jan 2017 16:05  
 Operator : UM/SJ  
 Sample : SSTD16040  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD16040

Quant Time: Jan 23 16:40:08 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM012317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 23 04:58:16 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.94  | 152  | 92249    | 20.00 | ng/ul | -0.02    |
| 18) Naphthalene-d8        | 10.75 | 136  | 397428   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.58 | 164  | 338099   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.33 | 188  | 725462   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.50 | 240  | 808243   | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.86 | 264  | 642657   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |        |       |      |
|--------------------------------|-------|-----|---------|--------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 117370  | 58.78  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.11  | 99  | 1297697 | 171.20 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.28  | 67  | 982102  | 190.97 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.48  | 132 | 898250  | 170.19 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.66  | 113 | 1000890 | 170.28 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 9.12  | 128 | 439541  | 179.22 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.83  | 143 | 540369  | 202.74 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.37 | 165 | 1109180 | 180.72 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.89 | 131 | 900509  | 132.45 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.00 | 166 | 3624832 | 162.51 | ng/ul | 0.01 |
| 46) Acenaphthylene-d8          | 14.28 | 160 | 4549639 | 172.97 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.79 | 143 | 593956  | 162.81 | ng/ul | 0.03 |
| 57) Fluorene-d10               | 15.57 | 176 | 3470535 | 168.73 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.70 | 200 | 776286  | 207.60 | ng/ul | 0.02 |
| 70) Anthracene-d10             | 17.43 | 188 | 5594148 | 178.99 | ng/ul | 0.01 |
| 76) Pyrene-d10                 | 19.72 | 212 | 6169119 | 173.22 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.71 | 264 | 4770963 | 182.02 | ng/ul | 0.02 |

## Target Compounds

|                                |       |     |         |        |        | Ovalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 2) 1,4-Dioxane                 | 3.43  | 88  | 138412  | 58.32  | ng/uL# | 48     |
| 4) Benzaldehyde                | 7.09  | 77  | 457498  | 82.85  | ng/ul# | 77     |
| 6) Phenol                      | 7.14  | 94  | 1400629 | 171.99 | ng/ul# | 55     |
| 8) Bis(2-Chloroethyl)ether     | 7.37  | 93  | 1021901 | 171.11 | ng/ul# | 76     |
| 10) 2-Chlorophenol             | 7.51  | 128 | 900068  | 166.48 | ng/ul# | 66     |
| 11) 2-Methylphenol             | 8.38  | 108 | 1016066 | 169.81 | ng/ul  | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.48  | 45  | 1865878 | 201.93 | ng/ul# | 91     |
| 14) Acetophenone               | 8.78  | 105 | 1871962 | 181.27 | ng/ul# | 69     |
| 15) N-Nitroso-di-n-propylamine | 8.79  | 70  | 1207909 | 206.02 | ng/ul# | 69     |
| 16) 4-Methylphenol             | 8.73  | 108 | 1061077 | 164.23 | ng/ul  | 97     |
| 17) Hexachloroethane           | 9.02  | 117 | 543181  | 189.52 | ng/ul  | 99     |
| 20) Nitrobenzene               | 9.16  | 77  | 1845853 | 211.98 | ng/ul# | 82     |
| 21) Isophorone                 | 9.70  | 82  | 2927687 | 190.11 | ng/ul# | 90     |
| 23) 2-Nitrophenol              | 9.87  | 139 | 544640  | 190.99 | ng/ul# | 17     |
| 24) 2,4-Dimethylphenol         | 9.92  | 107 | 1540167 | 190.70 | ng/ul# | 86     |
| 25) Bis(2-Chloroethoxy)methane | 10.16 | 93  | 1472569 | 180.75 | ng/ul  | 96     |
| 27) 2,4-Dichlorophenol         | 10.40 | 162 | 1101255 | 181.21 | ng/ul  | 94     |
| 28) Naphthalene                | 10.80 | 128 | 3194830 | 175.90 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.92 | 127 | 957539  | 137.41 | ng/ul  | 95     |
| 31) Hexachlorobutadiene        | 11.07 | 225 | 1045340 | 191.86 | ng/ul  | 97     |
| 32) Caprolactam                | 11.76 | 113 | 177005  | 95.17  | ng/ul# | 19     |
| 33) 4-Chloro-3-methylphenol    | 12.04 | 107 | 1360248 | 186.29 | ng/ul  | 91     |
| 34) 2-Methylnaphthalene        | 12.41 | 142 | 2542826 | 180.60 | ng/ul  | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.77 | 216  | 1807730  | 178.45 | ng/ul# | 97       |
| 37) Hexachlorocyclopentadiene  | 12.74 | 237  | 1372188  | 190.41 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.01 | 196  | 1091588  | 178.38 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 13.09 | 196  | 1163245  | 176.40 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.42 | 154  | 3650359  | 172.15 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.46 | 162  | 2874710  | 172.75 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.67 | 65   | 1392152  | 240.41 | ng/ul# | 68       |
| 44) Dimethylphthalate          | 14.04 | 163  | 3564469  | 159.83 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.17 | 165  | 730289   | 187.65 | ng/ul# | 66       |
| 47) Acenaphthylene             | 14.31 | 152  | 4383600  | 169.85 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.50 | 138  | 561934   | 142.51 | ng/ul# | 78       |
| 49) Acenaphthene               | 14.65 | 153  | 3047249  | 170.77 | ng/ul  | 96       |
| 50) 2,4-Dinitrophenol          | 14.70 | 184  | 546327   | 202.08 | ng/ul# | 42       |
| 52) 4-Nitrophenol              | 14.81 | 109  | 1193516  | 196.61 | ng/ul# | 67       |
| 53) Dibenzofuran               | 14.99 | 168  | 4533438  | 167.00 | ng/ul  | 89       |
| 54) 2,4-Dinitrotoluene         | 14.96 | 165  | 1080460  | 183.25 | ng/ul# | 81       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.20 | 232  | 1145269  | 183.71 | ng/ul# | 90       |
| 56) Diethylphthalate           | 15.40 | 149  | 3897594  | 166.14 | ng/ul  | 97       |
| 58) Fluorene                   | 15.63 | 166  | 3977960  | 178.77 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.62 | 204  | 2265007  | 179.48 | ng/ul  | 93       |
| 60) 4-Nitroaniline             | 15.68 | 138  | 644683   | 149.60 | ng/ul# | 8        |
| 63) 4,6-Dinitro-2-methylphenol | 15.72 | 198  | 787144   | 199.05 | ng/ul# | 69       |
| 64) N-Nitrosodiphenylamine     | 15.84 | 169  | 3271090  | 179.60 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.52 | 248  | 1380112  | 183.65 | ng/ul# | 88       |
| 66) Hexachlorobenzene          | 16.63 | 284  | 1495726  | 177.83 | ng/ul# | 89       |
| 67) Atrazine                   | 16.79 | 200  | 1364858  | 168.69 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.97 | 266  | 965946   | 182.53 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.37 | 178  | 6210611  | 177.85 | ng/ul  | 99       |
| 71) Anthracene                 | 17.47 | 178  | 6386517  | 177.92 | ng/ul  | 99       |
| 72) Carbazole                  | 17.73 | 167  | 5293548  | 165.73 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.28 | 149  | 6705705  | 178.64 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.38 | 202  | 7579955  | 168.82 | ng/ul# | 95       |
| 77) Pyrene                     | 19.74 | 202  | 7693289  | 176.96 | ng/ul# | 93       |
| 78) Butylbenzylphthalate       | 20.63 | 149  | 2979055  | 186.29 | ng/ul  | 85       |
| 79) 3,3'-Dichlorobenzidine     | 21.41 | 252  | 2225516  | 144.47 | ng/ul  | 98       |
| 80) Benzo(a)anthracene         | 21.48 | 228  | 7260261  | 169.45 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.39 | 149  | 4211219  | 188.13 | ng/ul  | 100      |
| 82) Chrysene                   | 21.54 | 228  | 6826980  | 171.65 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.30 | 149  | 6540380  | 195.44 | ng/ul# | 85       |
| 85) Benzo(b)fluoranthene       | 23.15 | 252  | 6605694  | 192.79 | ng/ul# | 98       |
| 86) Benzo(k)fluoranthene       | 23.20 | 252  | 5987904  | 180.81 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.77 | 252  | 6088450  | 186.28 | ng/ul# | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.32 | 276  | 6362907  | 171.71 | ng/ul# | 93       |
| 90) Dibenzo(a,h)anthracene     | 26.33 | 278  | 5593784  | 176.66 | ng/ul# | 96       |
| 91) Benzo(g,h,i)perylene       | 27.06 | 276  | 5139042  | 163.49 | ng/ul# | 94       |

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

