

Data Path : Z:\HPCHEM1\BNA M\DATA\BM062216\  
 Data File : BM005911.D  
 Acq On : 22 Jun 2016 18:22  
 Operator : UM/SJ  
 Sample : SSTD04043  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jun 22 18:58:28 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM062216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 22 18:57:35 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 219642   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 933860   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.31 | 164  | 517268   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 1192187  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 1295089  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.47 | 264  | 1386264  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 85917   | 15.31 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 757611  | 31.25 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 461409  | 32.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 585755  | 32.79 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 584653  | 28.86 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 278068  | 41.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 291736  | 43.02 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 547082  | 34.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 633756  | 42.09 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 1581051 | 32.25 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 1992562 | 34.43 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 329872  | 39.02 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.31 | 176 | 1349232 | 33.29 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 249158  | 51.87 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 2083275 | 34.47 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 2320657 | 33.55 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.33 | 264 | 2453879 | 34.74 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |       | Ovalue |
|--------------------------------|-------|-----|---------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 93660   | 9.66  | ng/uL | 98     |
| 4) Benzaldehyde                | 6.81  | 77  | 151378  | 53.27 | ng/ul | 96     |
| 6) Phenol                      | 6.86  | 94  | 826160  | 33.70 | ng/ul | 96     |
| 8) Bis(2-Chloroethyl)ether     | 7.10  | 93  | 604718  | 32.63 | ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.23  | 128 | 601820  | 33.06 | ng/ul | 98     |
| 11) 2-Methylphenol             | 8.10  | 108 | 593110  | 30.90 | ng/ul | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 874468  | 32.31 | ng/ul | 99     |
| 14) Acetophenone               | 8.49  | 105 | 902843  | 30.27 | ng/ul | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.47  | 70  | 472205  | 27.64 | ng/ul | 94     |
| 16) 4-Methylphenol             | 8.43  | 108 | 644908  | 30.20 | ng/ul | 99     |
| 17) Hexachloroethane           | 8.74  | 117 | 244917  | 35.76 | ng/ul | 98     |
| 20) Nitrobenzene               | 8.86  | 77  | 716235  | 40.09 | ng/ul | 98     |
| 21) Isophorone                 | 9.38  | 82  | 1302318 | 31.60 | ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.57  | 139 | 327772  | 42.89 | ng/ul | 98     |
| 24) 2,4-Dimethylphenol         | 9.63  | 107 | 691230  | 34.11 | ng/ul | 99     |
| 25) Bis(2-Chloroethoxy)methane | 9.87  | 93  | 799870  | 32.97 | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.09 | 162 | 551399  | 34.65 | ng/ul | 97     |
| 28) Naphthalene                | 10.50 | 128 | 1811941 | 35.12 | ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.61 | 127 | 683953  | 43.55 | ng/ul | 100    |
| 31) Hexachlorobutadiene        | 10.79 | 225 | 337142  | 38.76 | ng/ul | 98     |
| 32) Caprolactam                | 11.37 | 113 | 125335  | 18.06 | ng/ul | 96     |
| 33) 4-Chloro-3-methylphenol    | 11.74 | 107 | 638885  | 31.03 | ng/ul | 99     |
| 34) 2-Methylnaphthalene        | 12.12 | 142 | 1314034 | 32.89 | ng/ul | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216  | 643692   | 38.12 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.47 | 237  | 395548   | 47.11 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.73 | 196  | 440765   | 37.92 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.80 | 196  | 464253   | 36.31 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.14 | 154  | 1632071  | 35.55 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.18 | 162  | 1256220  | 36.34 | ng/ul  | 100      |
| 42) 2-Nitroaniline             | 13.39 | 65   | 455032   | 43.85 | ng/ul  | 97       |
| 44) Dimethylphthalate          | 13.77 | 163  | 1582801  | 33.17 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.89 | 165  | 336277   | 42.28 | ng/ul  | 99       |
| 47) Acenaphthylene             | 14.03 | 152  | 2104998  | 35.63 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.22 | 138  | 334107   | 35.98 | ng/ul# | 99       |
| 49) Acenaphthene               | 14.37 | 153  | 1325632  | 33.94 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.43 | 184  | 179943   | 61.13 | ng/ul  | 94       |
| 52) 4-Nitrophenol              | 14.53 | 109  | 311529   | 40.46 | ng/ul  | 94       |
| 53) Dibenzofuran               | 14.72 | 168  | 1897193  | 34.35 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.68 | 165  | 488793   | 41.66 | ng/ul  | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 407535   | 37.14 | ng/ul  | 99       |
| 56) Diethylphthalate           | 15.15 | 149  | 1648861  | 31.91 | ng/ul  | 99       |
| 58) Fluorene                   | 15.37 | 166  | 1444935  | 33.05 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.36 | 204  | 685011   | 33.29 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.39 | 138  | 405440   | 38.94 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.44 | 198  | 274153   | 52.33 | ng/ul  | 97       |
| 64) N-Nitrosodiphenylamine     | 15.58 | 169  | 1329065  | 33.98 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.26 | 248  | 474458   | 35.32 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.37 | 284  | 516979   | 34.85 | ng/ul  | 98       |
| 67) Atrazine                   | 16.53 | 200  | 497934   | 37.99 | ng/ul  | 100      |
| 68) Pentachlorophenol          | 16.71 | 266  | 339553   | 42.28 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.10 | 178  | 2494688  | 34.46 | ng/ul  | 99       |
| 71) Anthracene                 | 17.19 | 178  | 2527327  | 34.76 | ng/ul  | 99       |
| 72) Carbazole                  | 17.46 | 167  | 2326956  | 35.79 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.04 | 149  | 2834151  | 32.66 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.12 | 202  | 2934967  | 37.65 | ng/ul  | 99       |
| 77) Pyrene                     | 19.49 | 202  | 3002732  | 34.52 | ng/ul  | 97       |
| 78) Butylbenzylphthalate       | 20.40 | 149  | 1334629  | 33.02 | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 963258   | 38.28 | ng/ul  | 100      |
| 80) Benzo(a)anthracene         | 21.24 | 228  | 2959580  | 34.68 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 1801511  | 31.58 | ng/ul  | 99       |
| 82) Chrysene                   | 21.29 | 228  | 2735959  | 33.95 | ng/ul  | 100      |
| 84) Di-n-octyl phthalate       | 22.06 | 149  | 3332533  | 34.34 | ng/ul  | 98       |
| 85) Benzo(b)fluoranthene       | 22.81 | 252  | 3188821  | 34.81 | ng/ul  | 98       |
| 86) Benzo(k)fluoranthene       | 22.86 | 252  | 2965394  | 34.54 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.38 | 252  | 3012914  | 35.41 | ng/ul  | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.70 | 276  | 3508358  | 39.76 | ng/ul  | 95       |
| 90) Dibenzo(a,h)anthracene     | 25.71 | 278  | 2885542  | 39.89 | ng/ul  | 98       |
| 91) Benzo(g,h,i)perylene       | 26.38 | 276  | 3050520  | 41.09 | ng/ul  | 96       |

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

