

Data Path : Z:\HPCHEM1\BNA M\DATA\BM060115\  
 Data File : BM001510.D  
 Acq On : 01 Jun 2015 20:49  
 Operator : TP/IZ  
 Sample : SSTD01062  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD01062

Quant Time: Jun 02 01:28:03 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM060115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 02 01:26:29 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 100053   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.50 | 136  | 394600   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.37 | 164  | 235293   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.11 | 188  | 536902   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.30 | 240  | 592503   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.54 | 264  | 567997   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 9830   | 4.72  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.87  | 99  | 73026  | 9.62  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 44442  | 9.54  | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.24  | 132 | 59460  | 9.82  | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 59138  | 9.38  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.87  | 128 | 24850  | 9.72  | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.59  | 143 | 24978  | 8.70  | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 61794  | 10.33 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.65 | 131 | 78180  | 11.28 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.78 | 166 | 170816 | 10.28 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.06 | 160 | 228122 | 10.11 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 24878  | 7.56  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.36 | 176 | 160263 | 9.75  | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 19462  | 6.14  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.21 | 188 | 238461 | 9.65  | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.50 | 212 | 268266 | 10.28 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.40 | 264 | 243043 | 9.65  | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Ovalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.23  | 88  | 10057  | 4.34  | ng/uL  | 98     |
| 4) Benzaldehyde                | 6.86  | 77  | 54582  | 13.51 | ng/ul  | 97     |
| 6) Phenol                      | 6.90  | 94  | 77499  | 9.71  | ng/ul  | 99     |
| 8) Bis(2-Chloroethyl)ether     | 7.15  | 93  | 60622  | 9.66  | ng/ul  | 97     |
| 10) 2-Chlorophenol             | 7.27  | 128 | 60998  | 9.62  | ng/ul  | 91     |
| 11) 2-Methylphenol             | 8.15  | 108 | 58362  | 9.43  | ng/ul  | 92     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 82049  | 7.51  | ng/ul  | 98     |
| 14) Acetophenone               | 8.54  | 105 | 98262  | 9.54  | ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.52  | 70  | 51910  | 10.44 | ng/ul# | 98     |
| 16) 4-Methylphenol             | 8.47  | 108 | 63791  | 9.51  | ng/ul  | 96     |
| 17) Hexachloroethane           | 8.79  | 117 | 26825  | 9.95  | ng/ul  | 99     |
| 20) Nitrobenzene               | 8.92  | 77  | 71055  | 10.20 | ng/ul  | 99     |
| 21) Isophorone                 | 9.44  | 82  | 137677 | 11.14 | ng/ul  | 99     |
| 23) 2-Nitrophenol              | 9.62  | 139 | 26873  | 8.40  | ng/ul  | 96     |
| 24) 2,4-Dimethylphenol         | 9.68  | 107 | 75288  | 10.69 | ng/ul  | 94     |
| 25) Bis(2-Chloroethoxy)methane | 9.93  | 93  | 81171  | 10.48 | ng/ul  | 99     |
| 27) 2,4-Dichlorophenol         | 10.15 | 162 | 58883  | 10.06 | ng/ul  | 99     |
| 28) Naphthalene                | 10.56 | 128 | 194134 | 9.56  | ng/ul  | 100    |
| 30) 4-Chloroaniline            | 10.67 | 127 | 80044  | 11.24 | ng/ul  | 96     |
| 31) Hexachlorobutadiene        | 10.84 | 225 | 46982  | 11.70 | ng/ul  | 97     |
| 32) Caprolactam                | 11.43 | 113 | 16966  | 8.90  | ng/ul  | 90     |
| 33) 4-Chloro-3-methylphenol    | 11.79 | 107 | 66952  | 10.59 | ng/ul  | 94     |
| 34) 2-Methylnaphthalene        | 12.17 | 142 | 140480 | 9.62  | ng/ul  | 97     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216  | 80922    | 10.98 | ng/ul  | 96       |
| 37) Hexachlorocyclopentadiene  | 12.52 | 237  | 51458    | 11.58 | ng/ul  | 91       |
| 38) 2,4,6-Trichlorophenol      | 12.79 | 196  | 48078    | 10.67 | ng/ul  | 95       |
| 39) 2,4,5-Trichlorophenol      | 12.85 | 196  | 52678    | 10.67 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.20 | 154  | 187145   | 9.88  | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.23 | 162  | 143902   | 9.79  | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.44 | 65   | 34787    | 8.81  | ng/ul  | 96       |
| 44) Dimethylphthalate          | 13.83 | 163  | 184777   | 9.90  | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.94 | 165  | 29241    | 8.53  | ng/ul  | 96       |
| 47) Acenaphthylene             | 14.09 | 152  | 230330   | 9.63  | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.27 | 138  | 29851    | 8.12  | ng/ul  | 96       |
| 49) Acenaphthene               | 14.43 | 153  | 153179   | 9.55  | ng/ul  | 97       |
| 50) 2,4-Dinitrophenol          | 14.47 | 184  | 12405    | 5.75  | ng/ul  | 90       |
| 52) 4-Nitrophenol              | 14.57 | 109  | 25473    | 8.78  | ng/ul  | 96       |
| 53) Dibenzofuran               | 14.76 | 168  | 218856   | 9.56  | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.73 | 165  | 39830    | 7.73  | ng/ul  | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.99 | 232  | 43429    | 10.19 | ng/ul  | 97       |
| 56) Diethylphthalate           | 15.20 | 149  | 187228   | 9.70  | ng/ul  | 99       |
| 58) Fluorene                   | 15.42 | 166  | 184974   | 9.60  | ng/ul  | 96       |
| 59) 4-Chlorophenyl-phenylether | 15.42 | 204  | 93806    | 9.82  | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.43 | 138  | 32055    | 8.00  | ng/ul  | 98       |
| 63) 4,6-Dinitro-2-methylphenol | 15.49 | 198  | 20024    | 5.87  | ng/ul# | 93       |
| 64) N-Nitrosodiphenylamine     | 15.63 | 169  | 154203   | 9.81  | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.31 | 248  | 57316    | 10.54 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.41 | 284  | 62708    | 10.34 | ng/ul  | 97       |
| 67) Atrazine                   | 16.58 | 200  | 62531    | 10.69 | ng/ul  | 93       |
| 68) Pentachlorophenol          | 16.76 | 266  | 32138    | 8.94  | ng/ul  | 98       |
| 69) Phenanthrene               | 17.15 | 178  | 280600   | 9.43  | ng/ul  | 99       |
| 71) Anthracene                 | 17.24 | 178  | 285812   | 9.32  | ng/ul  | 99       |
| 72) Carbazole                  | 17.52 | 167  | 259542   | 9.11  | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.09 | 149  | 315817   | 9.61  | ng/ul  | 99       |
| 74) Fluoranthene               | 19.17 | 202  | 336249   | 9.33  | ng/ul  | 98       |
| 77) Pyrene                     | 19.53 | 202  | 350870   | 9.88  | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.45 | 149  | 136654   | 9.75  | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 112011   | 9.77  | ng/ul  | 99       |
| 80) Benzo(a)anthracene         | 21.29 | 228  | 342498   | 9.84  | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 200225   | 9.19  | ng/ul  | 100      |
| 82) Chrysene                   | 21.33 | 228  | 320095   | 9.82  | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.11 | 149  | 335282   | 8.18  | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.87 | 252  | 331732   | 9.54  | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 22.91 | 252  | 312024   | 9.41  | ng/ul  | 98       |
| 88) Benzo(a)pyrene             | 23.45 | 252  | 308515   | 9.47  | ng/ul  | 100      |
| 89) Indeno(1,2,3-cd)pyrene     | 25.83 | 276  | 358971   | 10.22 | ng/ul  | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.84 | 278  | 303148   | 10.26 | ng/ul  | 98       |
| 91) Benzo(g,h,i)perylene       | 26.51 | 276  | 298472   | 10.22 | ng/ul  | 99       |

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

