

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM070815\  
 Data File : BM001881.D  
 Acq On : 08 Jul 2015 15:23  
 Operator : TP/UM  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02026

Quant Time: Jul 09 04:24:37 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 09 04:09:59 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 73684    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 277635   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.32 | 164  | 158800   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.07 | 188  | 352154   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.26 | 240  | 415041   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.49 | 264  | 425125   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 11982  | 7.75  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 106239 | 18.77 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 58317  | 18.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 89230  | 19.94 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 83913  | 18.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 39087  | 20.34 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 45714  | 21.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 90216  | 20.05 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 107131 | 23.41 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 218594 | 18.56 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.01 | 160 | 299234 | 19.38 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.53 | 143 | 40760  | 18.76 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.32 | 176 | 207013 | 18.95 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 41959  | 19.50 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.17 | 188 | 314790 | 19.19 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.47 | 212 | 349468 | 19.88 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.35 | 264 | 367250 | 19.60 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.18  | 88  | 12401  | 7.03  | ng/uL | 98     |
| 4) Benzaldehyde                | 6.81  | 77  | 74102  | 20.02 | ng/ul | 99     |
| 6) Phenol                      | 6.86  | 94  | 110169 | 18.86 | ng/ul | 95     |
| 8) Bis(2-Chloroethyl)ether     | 7.09  | 93  | 81481  | 18.57 | ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.23  | 128 | 88859  | 19.18 | ng/ul | 99     |
| 11) 2-Methylphenol             | 8.11  | 108 | 80301  | 18.57 | ng/ul | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 93687  | 17.44 | ng/ul | 97     |
| 14) Acetophenone               | 8.49  | 105 | 132534 | 18.38 | ng/ul | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.47  | 70  | 66547  | 18.89 | ng/ul | 95     |
| 16) 4-Methylphenol             | 8.43  | 108 | 86834  | 18.48 | ng/ul | 99     |
| 17) Hexachloroethane           | 8.73  | 117 | 36707  | 19.73 | ng/ul | 96     |
| 20) Nitrobenzene               | 8.87  | 77  | 100545 | 19.32 | ng/ul | 98     |
| 21) Isophorone                 | 9.39  | 82  | 171812 | 19.77 | ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.57  | 139 | 48521  | 21.08 | ng/ul | 92     |
| 24) 2,4-Dimethylphenol         | 9.63  | 107 | 100448 | 18.89 | ng/ul | 95     |
| 25) Bis(2-Chloroethoxy)methane | 9.87  | 93  | 103120 | 19.02 | ng/ul | 100    |
| 27) 2,4-Dichlorophenol         | 10.10 | 162 | 84836  | 19.44 | ng/ul | 97     |
| 28) Naphthalene                | 10.50 | 128 | 262167 | 18.70 | ng/ul | 98     |
| 30) 4-Chloroaniline            | 10.62 | 127 | 106989 | 23.03 | ng/ul | 97     |
| 31) Hexachlorobutadiene        | 10.78 | 225 | 66810  | 19.99 | ng/ul | 94     |
| 32) Caprolactam                | 11.37 | 113 | 24726  | 18.97 | ng/ul | 98     |
| 33) 4-Chloro-3-methylphenol    | 11.75 | 107 | 86764  | 18.68 | ng/ul | 96     |
| 34) 2-Methylnaphthalene        | 12.13 | 142 | 186477 | 18.39 | ng/ul | 97     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216  | 114632   | 19.31 | ng/ul | 97       |
| 37) Hexachlorocyclopentadiene  | 12.47 | 237  | 62026    | 17.29 | ng/ul | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.75 | 196  | 70357    | 20.38 | ng/ul | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.82 | 196  | 75791    | 20.06 | ng/ul | 99       |
| 40) 1,1'-Biphenyl              | 13.15 | 154  | 244249   | 18.84 | ng/ul | 98       |
| 41) 2-Chloronaphthalene        | 13.19 | 162  | 194296   | 19.12 | ng/ul | 96       |
| 42) 2-Nitroaniline             | 13.40 | 65   | 53769    | 19.96 | ng/ul | 87       |
| 44) Dimethylphthalate          | 13.78 | 163  | 240947   | 18.72 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.91 | 165  | 50333    | 20.80 | ng/ul | 93       |
| 47) Acenaphthylene             | 14.04 | 152  | 297264   | 18.89 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.23 | 138  | 51513    | 22.78 | ng/ul | 93       |
| 49) Acenaphthene               | 14.39 | 153  | 197522   | 18.78 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.44 | 184  | 27699    | 18.47 | ng/ul | 94       |
| 52) 4-Nitrophenol              | 14.54 | 109  | 39468    | 17.58 | ng/ul | 92       |
| 53) Dibenzofuran               | 14.72 | 168  | 283903   | 18.85 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.70 | 165  | 72653    | 20.37 | ng/ul | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 65008    | 19.90 | ng/ul | 99       |
| 56) Diethylphthalate           | 15.15 | 149  | 232017   | 18.96 | ng/ul | 97       |
| 58) Fluorene                   | 15.37 | 166  | 233665   | 18.64 | ng/ul | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.37 | 204  | 127868   | 18.92 | ng/ul | 98       |
| 60) 4-Nitroaniline             | 15.40 | 138  | 52613    | 20.50 | ng/ul | 91       |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 44521    | 19.43 | ng/ul | 100      |
| 64) N-Nitrosodiphenylamine     | 15.59 | 169  | 200975   | 19.53 | ng/ul | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.26 | 248  | 76537    | 19.49 | ng/ul | 94       |
| 66) Hexachlorobenzene          | 16.37 | 284  | 84828    | 19.23 | ng/ul | 98       |
| 67) Atrazine                   | 16.53 | 200  | 79016    | 19.07 | ng/ul | 94       |
| 68) Pentachlorophenol          | 16.72 | 266  | 49443    | 18.28 | ng/ul | 99       |
| 69) Phenanthrene               | 17.11 | 178  | 358299   | 18.76 | ng/ul | 98       |
| 71) Anthracene                 | 17.20 | 178  | 371764   | 18.96 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216  | 108323   | 19.57 | ng/uL | 93       |
| 73) Pentachlorobenzene         | 14.64 | 250  | 99344    | 19.04 | ng/uL | 97       |
| 74) Carbazole                  | 17.47 | 167  | 324928   | 18.89 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 18.03 | 149  | 377918   | 20.57 | ng/ul | 99       |
| 76) Fluoranthene               | 19.13 | 202  | 427598   | 18.72 | ng/ul | 99       |
| 79) Pyrene                     | 19.50 | 202  | 448925   | 19.50 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 174982   | 23.29 | ng/ul | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 167623   | 22.73 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.25 | 228  | 467417   | 19.28 | ng/ul | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 254129   | 22.49 | ng/ul | 100      |
| 84) Chrysene                   | 21.30 | 228  | 441956   | 19.23 | ng/ul | 100      |
| 86) Di-n-octyl phthalate       | 22.05 | 149  | 442531   | 21.18 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.82 | 252  | 483539   | 19.54 | ng/ul | 98       |
| 88) Benzo(k)fluoranthene       | 22.86 | 252  | 447348   | 18.71 | ng/ul | 100      |
| 90) Benzo(a)pyrene             | 23.40 | 252  | 463357   | 19.25 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.74 | 276  | 551639   | 19.32 | ng/ul | 97       |
| 92) Dibenzo(a,h)anthracene     | 25.75 | 278  | 470318   | 19.53 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.43 | 276  | 464346   | 19.34 | ng/ul | 100      |

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

