

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM071515\  
 Data File : BM001941.D  
 Acq On : 15 Jul 2015 12:54  
 Operator : TP/UM  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02053

Quant Time: Jul 15 14:17:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 15 07:11:15 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 61592    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.44 | 136  | 265868   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.31 | 164  | 176392   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 431820   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.26 | 240  | 540419   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.48 | 264  | 522551   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 9330   | 7.41  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 94368  | 18.76 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 52321  | 19.09 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 76298  | 19.11 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 79492  | 19.25 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 37671  | 18.97 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 43031  | 19.55 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 88703  | 19.94 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 99694  | 21.78 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 281484 | 19.79 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 334313 | 19.54 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 49123  | 20.39 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 241055 | 19.83 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 51491  | 18.41 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 389768 | 19.23 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.46 | 212 | 447775 | 18.14 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.34 | 264 | 506852 | 19.18 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.16  | 88  | 10023  | 7.54  | ng/uL | 96     |
| 4) Benzaldehyde                | 6.80  | 77  | 40749  | 16.77 | ng/ul | 98     |
| 6) Phenol                      | 6.85  | 94  | 98343  | 18.94 | ng/ul | 98     |
| 8) Bis(2-Chloroethyl)ether     | 7.08  | 93  | 74119  | 19.37 | ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.22  | 128 | 77545  | 19.13 | ng/ul | 97     |
| 11) 2-Methylphenol             | 8.09  | 108 | 75986  | 19.22 | ng/ul | 94     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 86511  | 19.36 | ng/ul | 99     |
| 14) Acetophenone               | 8.47  | 105 | 129550 | 19.86 | ng/ul | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.46  | 70  | 63972  | 19.10 | ng/ul | 96     |
| 16) 4-Methylphenol             | 8.42  | 108 | 84107  | 19.43 | ng/ul | 96     |
| 17) Hexachloroethane           | 8.72  | 117 | 30586  | 18.90 | ng/ul | 92     |
| 20) Nitrobenzene               | 8.86  | 77  | 93956  | 19.21 | ng/ul | 99     |
| 21) Isophorone                 | 9.37  | 82  | 173497 | 18.99 | ng/ul | 96     |
| 23) 2-Nitrophenol              | 9.56  | 139 | 47021  | 19.61 | ng/ul | 96     |
| 24) 2,4-Dimethylphenol         | 9.62  | 107 | 99853  | 19.60 | ng/ul | 98     |
| 25) Bis(2-Chloroethoxy)methane | 9.86  | 93  | 104780 | 19.11 | ng/ul | 98     |
| 27) 2,4-Dichlorophenol         | 10.09 | 162 | 84936  | 19.56 | ng/ul | 98     |
| 28) Naphthalene                | 10.49 | 128 | 257859 | 19.21 | ng/ul | 99     |
| 30) 4-Chloroaniline            | 10.61 | 127 | 101885 | 21.54 | ng/ul | 95     |
| 31) Hexachlorobutadiene        | 10.77 | 225 | 61619  | 19.79 | ng/ul | 98     |
| 32) Caprolactam                | 11.37 | 113 | 42064  | 20.50 | ng/ul | 96     |
| 33) 4-Chloro-3-methylphenol    | 11.74 | 107 | 94159  | 19.76 | ng/ul | 99     |
| 34) 2-Methylnaphthalene        | 12.11 | 142 | 199366 | 19.95 | ng/ul | 98     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02053

Quant Time: Jul 15 14:17:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 15 07:11:15 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216  | 121178   | 19.24 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.46 | 237  | 63836    | 17.63 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.73 | 196  | 76675    | 19.45 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.80 | 196  | 84469    | 19.67 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.14 | 154  | 271006   | 19.14 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.18 | 162  | 214673   | 19.47 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.39 | 65   | 61376    | 19.75 | ng/ul  | 97       |
| 44) Dimethylphthalate          | 13.77 | 163  | 284839   | 19.68 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.90 | 165  | 58781    | 19.73 | ng/ul  | 96       |
| 47) Acenaphthylene             | 14.03 | 152  | 339209   | 19.43 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.22 | 138  | 52161    | 19.81 | ng/ul  | 97       |
| 49) Acenaphthene               | 14.37 | 153  | 226597   | 19.36 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.43 | 184  | 32116    | 17.87 | ng/ul  | 95       |
| 52) 4-Nitrophenol              | 14.53 | 109  | 46517    | 20.95 | ng/ul  | 93       |
| 53) Dibenzofuran               | 14.71 | 168  | 326153   | 19.39 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.69 | 165  | 89342    | 20.66 | ng/ul  | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 77552    | 20.43 | ng/ul# | 98       |
| 56) Diethylphthalate           | 15.14 | 149  | 285134   | 19.88 | ng/ul  | 100      |
| 58) Fluorene                   | 15.36 | 166  | 277139   | 19.65 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.36 | 204  | 151508   | 19.83 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.39 | 138  | 54720    | 19.74 | ng/ul  | 98       |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 55453    | 18.69 | ng/ul  | 99       |
| 64) N-Nitrosodiphenylamine     | 15.57 | 169  | 244481   | 18.95 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.25 | 248  | 94381    | 19.12 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.36 | 284  | 105797   | 19.35 | ng/ul  | 97       |
| 67) Atrazine                   | 16.53 | 200  | 100069   | 19.66 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.71 | 266  | 62919    | 18.67 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.10 | 178  | 443522   | 18.96 | ng/ul  | 99       |
| 71) Anthracene                 | 17.19 | 178  | 466178   | 19.32 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.10 | 216  | 122692   | 18.55 | ng/uL  | 97       |
| 73) Pentachlorobenzene         | 14.63 | 250  | 121367   | 18.84 | ng/uL  | 96       |
| 74) Carbazole                  | 17.46 | 167  | 406865   | 19.57 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.03 | 149  | 477772   | 19.04 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.12 | 202  | 556832   | 20.36 | ng/ul  | 99       |
| 79) Pyrene                     | 19.49 | 202  | 584538   | 18.08 | ng/ul  | 100      |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 221141   | 17.99 | ng/ul  | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.18 | 252  | 184412   | 18.40 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.24 | 228  | 617817   | 19.21 | ng/ul  | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 324720   | 18.02 | ng/ul  | 99       |
| 84) Chrysene                   | 21.29 | 228  | 576447   | 19.13 | ng/ul  | 100      |
| 86) Di-n-octyl phthalate       | 22.04 | 149  | 561941   | 17.27 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.81 | 252  | 600504   | 18.75 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.86 | 252  | 590998   | 19.19 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.39 | 252  | 580056   | 19.28 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.73 | 276  | 636777   | 20.16 | ng/ul  | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.74 | 278  | 536649   | 20.09 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 26.41 | 276  | 521004   | 20.07 | ng/ul  | 98       |

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

