

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM071916\  
 Data File : BM006521.D  
 Acq On : 19 Jul 2016 11:51  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02040

## Manual Integrations

sohil  
 7/20/2016 7:47:44 PM

Quant Time: Jul 20 04:20:54 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 19 02:05:48 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 193412   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 819898   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.26 | 164  | 455714   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 1036094  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.22 | 240  | 1178528  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.41 | 264  | 1261884  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 37783   | 8.22  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.79  | 99  | 348084  | 21.96 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 217006  | 22.57 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 274881  | 21.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 270826  | 21.50 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 128598  | 20.70 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.48  | 143 | 139514  | 19.86 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 262220  | 19.78 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.53 | 131 | 342995  | 24.75 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.68 | 166 | 741358  | 19.88 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.96 | 160 | 955837  | 20.73 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.49 | 143 | 134645  | 20.78 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.26 | 176 | 656452  | 19.80 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 115924  | 19.34 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 1013804 | 20.70 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.42 | 212 | 1134875 | 21.24 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.27 | 264 | 1214231 | 21.04 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |             | Qvalue |
|--------------------------------|-------|-----|--------|-------------|--------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 41153  | 8.36 ng/uL# | 25     |
| 4) Benzaldehyde                | 6.76  | 77  | 232649 | 24.30 ng/ul | 97     |
| 6) Phenol                      | 6.82  | 94  | 375626 | 22.48 ng/ul | 96     |
| 8) Bis(2-Chloroethyl)ether     | 7.05  | 93  | 284334 | 23.09 ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.18  | 128 | 286134 | 21.69 ng/ul | 97     |
| 11) 2-Methylphenol             | 8.06  | 108 | 277029 | 22.26 ng/ul | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.15  | 45  | 407058 | 20.34 ng/ul | 99     |
| 14) Acetophenone               | 8.43  | 105 | 435693 | 21.97 ng/ul | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.42  | 70  | 221965 | 21.21 ng/ul | 99     |
| 16) 4-Methylphenol             | 8.39  | 108 | 296884 | 22.07 ng/ul | 98     |
| 17) Hexachloroethane           | 8.67  | 117 | 116767 | 20.81 ng/ul | 96     |
| 20) Nitrobenzene               | 8.81  | 77  | 340053 | 20.55 ng/ul | 97     |
| 21) Isophorone                 | 9.33  | 82  | 605323 | 20.49 ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.52  | 139 | 156527 | 20.26 ng/ul | 98     |
| 24) 2,4-Dimethylphenol         | 9.58  | 107 | 330708 | 19.80 ng/ul | 99     |
| 25) Bis(2-Chloroethoxy)methane | 9.82  | 93  | 378418 | 21.41 ng/ul | 98     |
| 27) 2,4-Dichlorophenol         | 10.05 | 162 | 262694 | 19.64 ng/ul | 98     |
| 28) Naphthalene                | 10.44 | 128 | 851656 | 20.46 ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.56 | 127 | 361635 | 25.04 ng/ul | 99     |
| 31) Hexachlorobutadiene        | 10.72 | 225 | 168896 | 18.49 ng/ul | 99     |
| 32) Caprolactam                | 11.31 | 113 | 87772m | 20.66 ng/ul |        |
| 33) 4-Chloro-3-methylphenol    | 11.69 | 107 | 296883 | 19.81 ng/ul | 97     |
| 34) 2-Methylnaphthalene        | 12.06 | 142 | 624436 | 19.91 ng/ul | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.44 | 216  | 318295   | 19.91 | ng/ul | 98       |
| 37) Hexachlorocyclopentadiene  | 12.42 | 237  | 140439   | 16.68 | ng/ul | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.69 | 196  | 209293   | 20.17 | ng/ul | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.76 | 196  | 218379   | 20.42 | ng/ul | 98       |
| 40) 1,1'-Biphenyl              | 13.09 | 154  | 781022   | 20.78 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.13 | 162  | 609991   | 20.75 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.34 | 65   | 207999   | 20.69 | ng/ul | 95       |
| 44) Dimethylphthalate          | 13.73 | 163  | 753116   | 19.90 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.85 | 165  | 155318   | 20.66 | ng/ul | 99       |
| 47) Acenaphthylene             | 13.99 | 152  | 1002991  | 20.89 | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.18 | 138  | 172893   | 24.41 | ng/ul | 95       |
| 49) Acenaphthene               | 14.33 | 153  | 638065   | 20.65 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.40 | 184  | 68189    | 15.96 | ng/ul | 96       |
| 52) 4-Nitrophenol              | 14.50 | 109  | 128057   | 17.46 | ng/ul | 99       |
| 53) Dibenzofuran               | 14.67 | 168  | 912310   | 20.28 | ng/ul | 100      |
| 54) 2,4-Dinitrotoluene         | 14.64 | 165  | 230214   | 20.49 | ng/ul | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 192705   | 19.89 | ng/ul | 97       |
| 56) Diethylphthalate           | 15.10 | 149  | 774490   | 19.40 | ng/ul | 99       |
| 58) Fluorene                   | 15.32 | 166  | 720117   | 20.01 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.32 | 204  | 352771   | 19.28 | ng/ul | 99       |
| 60) 4-Nitroaniline             | 15.35 | 138  | 191539   | 22.80 | ng/ul | 95       |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 198  | 128395   | 20.12 | ng/ul | 98       |
| 64) N-Nitrosodiphenylamine     | 15.53 | 169  | 652130   | 21.42 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.21 | 248  | 235210   | 20.38 | ng/ul | 99       |
| 66) Hexachlorobenzene          | 16.32 | 284  | 259638   | 20.17 | ng/ul | 98       |
| 67) Atrazine                   | 16.49 | 200  | 240357   | 21.37 | ng/ul | 100      |
| 68) Pentachlorophenol          | 16.67 | 266  | 124112   | 20.05 | ng/ul | 97       |
| 69) Phenanthrene               | 17.06 | 178  | 1185178  | 20.80 | ng/ul | 99       |
| 71) Anthracene                 | 17.15 | 178  | 1236794  | 21.11 | ng/ul | 99       |
| 72) Carbazole                  | 17.42 | 167  | 1113192  | 22.47 | ng/ul | 100      |
| 73) Di-n-butylphthalate        | 17.99 | 149  | 1340226  | 19.78 | ng/ul | 99       |
| 74) Fluoranthene               | 19.08 | 202  | 1415967  | 21.39 | ng/ul | 100      |
| 77) Pyrene                     | 19.44 | 202  | 1495023  | 21.25 | ng/ul | 99       |
| 78) Butylbenzylphthalate       | 20.36 | 149  | 636407   | 20.57 | ng/ul | 97       |
| 79) 3,3'-Dichlorobenzidine     | 21.14 | 252  | 502387   | 21.88 | ng/ul | 99       |
| 80) Benzo(a)anthracene         | 21.20 | 228  | 1477021  | 20.53 | ng/ul | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.13 | 149  | 882119   | 20.54 | ng/ul | 99       |
| 82) Chrysene                   | 21.25 | 228  | 1381318  | 20.40 | ng/ul | 99       |
| 84) Di-n-octyl phthalate       | 22.00 | 149  | 1659571  | 22.56 | ng/ul | 97       |
| 85) Benzo(b)fluoranthene       | 22.76 | 252  | 1623889  | 21.53 | ng/ul | 99       |
| 86) Benzo(k)fluoranthene       | 22.80 | 252  | 1452130  | 20.47 | ng/ul | 100      |
| 88) Benzo(a)pyrene             | 23.32 | 252  | 1530101  | 21.18 | ng/ul | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.61 | 276  | 1769181  | 21.05 | ng/ul | 100      |
| 90) Dibenzo(a,h)anthracene     | 25.62 | 278  | 1480504  | 21.20 | ng/ul | 100      |
| 91) Benzo(g,h,i)perylene       | 26.28 | 276  | 1510943  | 20.34 | ng/ul | 99       |

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

