

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM090316\  
 Data File : BM007409.D  
 Acq On : 03 Sep 2016 16:45  
 Operator : UM/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Sep 06 10:52:51 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM082316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 05 01:45:04 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 215617   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.58 | 136  | 1010318  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.43 | 164  | 670351   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.17 | 188  | 1705791  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.36 | 240  | 2168117  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.63 | 264  | 1886534  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.30  | 96  | 35510   | 8.42  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.96  | 99  | 399913  | 19.63 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67  | 209685  | 19.59 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 302637  | 20.10 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 339700  | 19.12 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.95  | 128 | 160063  | 21.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 188028  | 21.71 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.20 | 165 | 359827  | 20.87 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 448812  | 20.86 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.83 | 166 | 1139644 | 19.71 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.12 | 160 | 1404502 | 20.95 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 214179  | 19.62 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.42 | 176 | 1008261 | 20.16 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 203384  | 18.96 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.27 | 188 | 1675687 | 21.03 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.56 | 212 | 2055605 | 22.67 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.48 | 264 | 1815258 | 20.89 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |       | Qvalue |
|--------------------------------|-------|-----|---------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88  | 36691   | 7.80  | ng/uL | 93     |
| 4) Benzaldehyde                | 6.94  | 77  | 252787  | 21.78 | ng/ul | 98     |
| 6) Phenol                      | 6.99  | 94  | 409687  | 19.39 | ng/ul | 95     |
| 8) Bis(2-Chloroethyl)ether     | 7.22  | 93  | 288435  | 19.60 | ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.36  | 128 | 315235  | 20.45 | ng/ul | 98     |
| 11) 2-Methylphenol             | 8.23  | 108 | 315171  | 19.09 | ng/ul | 96     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.33  | 45  | 319106  | 19.27 | ng/ul | 96     |
| 14) Acetophenone               | 8.61  | 105 | 523298  | 19.21 | ng/ul | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.60  | 70  | 268592  | 18.55 | ng/ul | 95     |
| 16) 4-Methylphenol             | 8.56  | 108 | 352572  | 19.03 | ng/ul | 95     |
| 17) Hexachloroethane           | 8.87  | 117 | 123236  | 20.56 | ng/ul | 97     |
| 20) Nitrobenzene               | 8.99  | 77  | 401951  | 21.10 | ng/ul | 99     |
| 21) Isophorone                 | 9.51  | 82  | 751668  | 19.37 | ng/ul | 100    |
| 23) 2-Nitrophenol              | 9.70  | 139 | 200859  | 21.33 | ng/ul | 97     |
| 24) 2,4-Dimethylphenol         | 9.76  | 107 | 430383  | 20.72 | ng/ul | 98     |
| 25) Bis(2-Chloroethoxy)methane | 9.99  | 93  | 429187  | 19.62 | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.23 | 162 | 357445  | 20.87 | ng/ul | 98     |
| 28) Naphthalene                | 10.63 | 128 | 1034057 | 20.58 | ng/ul | 99     |
| 30) 4-Chloroaniline            | 10.74 | 127 | 458975  | 20.73 | ng/ul | 96     |
| 31) Hexachlorobutadiene        | 10.91 | 225 | 243897  | 21.07 | ng/ul | 99     |
| 32) Caprolactam                | 11.50 | 113 | 84569   | 12.26 | ng/ul | 93     |
| 33) 4-Chloro-3-methylphenol    | 11.87 | 107 | 420634  | 19.84 | ng/ul | 94     |
| 34) 2-Methylnaphthalene        | 12.24 | 142 | 816311  | 19.85 | ng/ul | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.61 | 216  | 490329   | 21.97 | ng/ul  | 100      |
| 37) Hexachlorocyclopentadiene  | 12.59 | 237  | 193148   | 14.34 | ng/ul  | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.86 | 196  | 333625   | 21.13 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.93 | 196  | 353148   | 21.46 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.26 | 154  | 1095671  | 21.08 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.30 | 162  | 870103   | 21.35 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.51 | 65   | 283815   | 21.32 | ng/ul  | 99       |
| 44) Dimethylphthalate          | 13.89 | 163  | 1128132  | 19.58 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.01 | 165  | 247958   | 21.06 | ng/ul  | 97       |
| 47) Acenaphthylene             | 14.15 | 152  | 1444678  | 20.94 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.34 | 138  | 254022   | 21.14 | ng/ul  | 99       |
| 49) Acenaphthene               | 14.49 | 153  | 929503   | 20.71 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.55 | 184  | 130606   | 16.36 | ng/ul# | 86       |
| 52) 4-Nitrophenol              | 14.65 | 109  | 230305   | 19.83 | ng/ul  | 90       |
| 53) Dibenzofuran               | 14.83 | 168  | 1387874  | 20.66 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.80 | 165  | 373361   | 20.69 | ng/ul  | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.06 | 232  | 349605   | 20.70 | ng/ul# | 98       |
| 56) Diethylphthalate           | 15.25 | 149  | 1157982  | 19.27 | ng/ul  | 99       |
| 58) Fluorene                   | 15.47 | 166  | 1128435  | 20.40 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.47 | 204  | 584262   | 20.20 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.50 | 138  | 285184   | 20.91 | ng/ul  | 94       |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 198  | 218002   | 19.04 | ng/ul# | 98       |
| 64) N-Nitrosodiphenylamine     | 15.69 | 169  | 1009622  | 21.20 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.36 | 248  | 404068   | 20.98 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.48 | 284  | 454900   | 21.09 | ng/ul  | 98       |
| 67) Atrazine                   | 16.63 | 200  | 420001   | 20.89 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.82 | 266  | 280298   | 20.14 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.22 | 178  | 1916039  | 20.92 | ng/ul  | 99       |
| 71) Anthracene                 | 17.30 | 178  | 2008284  | 21.24 | ng/ul  | 99       |
| 72) Carbazole                  | 17.57 | 167  | 1754312  | 21.35 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.13 | 149  | 2080688  | 20.13 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.23 | 202  | 2511216  | 21.85 | ng/ul  | 99       |
| 77) Pyrene                     | 19.59 | 202  | 2626020  | 22.58 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.49 | 149  | 1078820  | 22.29 | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.27 | 252  | 885467   | 20.57 | ng/ul  | 97       |
| 80) Benzo(a)anthracene         | 21.34 | 228  | 2645431  | 20.70 | ng/ul  | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 1506527  | 21.46 | ng/ul  | 98       |
| 82) Chrysene                   | 21.39 | 228  | 2406403  | 20.79 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.15 | 149  | 2732757  | 29.08 | ng/ul  | 98       |
| 85) Benzo(b)fluoranthene       | 22.94 | 252  | 2437646  | 21.85 | ng/ul  | 100      |
| 86) Benzo(k)fluoranthene       | 22.99 | 252  | 2407519  | 23.35 | ng/ul  | 100      |
| 88) Benzo(a)pyrene             | 23.53 | 252  | 2246824  | 21.05 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.92 | 276  | 2245198  | 17.14 | ng/ul  | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.93 | 278  | 1909452  | 17.53 | ng/ul  | 98       |
| 91) Benzo(g,h,i)perylene       | 26.62 | 276  | 1820394  | 16.37 | ng/ul  | 98       |

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

