

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081316\  
 Data File : BM007091.D  
 Acq On : 14 Aug 2016 04:59  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02064

Quant Time: Aug 15 13:34:44 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 15 10:34:14 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 254809   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.59 | 136  | 987635   | 20.00 | ng/ul | -0.01    |
| 35) Acenaphthene-d10      | 14.44 | 164  | 561810   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.18 | 188  | 1324768  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.36 | 240  | 1696918  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.63 | 264  | 1881538  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.32  | 96  | 47947   | 8.22  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.97  | 99  | 403241  | 19.53 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 238254  | 20.14 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.34  | 132 | 329081  | 20.02 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 323740  | 19.06 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.96  | 128 | 148601  | 20.72 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.68  | 143 | 165663  | 21.62 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.21 | 165 | 329166  | 20.50 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.73 | 131 | 399386  | 20.91 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.85 | 166 | 934099  | 20.12 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.13 | 160 | 1166476 | 20.92 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 159686  | 19.19 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.43 | 176 | 810320  | 19.97 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 141266  | 19.30 | ng/ul | -0.01 |
| 70) Anthracene-d10             | 17.28 | 188 | 1268536 | 20.67 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.57 | 212 | 1493167 | 20.85 | ng/ul | -0.01 |
| 87) Benzo(a)pyrene-d12         | 23.49 | 264 | 1787265 | 20.77 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |         |       |       | Qvalue |
|--------------------------------|-------|-----|---------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.36  | 88  | 49242   | 8.12  | ng/uL | 97     |
| 4) Benzaldehyde                | 6.96  | 77  | 272675  | 21.97 | ng/ul | 98     |
| 6) Phenol                      | 7.00  | 94  | 419354  | 19.29 | ng/ul | 95     |
| 8) Bis(2-Chloroethyl)ether     | 7.23  | 93  | 319869  | 19.94 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.37  | 128 | 336656  | 20.02 | ng/ul | 98     |
| 11) 2-Methylphenol             | 8.25  | 108 | 313303  | 19.16 | ng/ul | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.35  | 45  | 357726  | 19.46 | ng/ul | 98     |
| 14) Acetophenone               | 8.63  | 105 | 505960  | 19.34 | ng/ul | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.61  | 70  | 255734  | 18.79 | ng/ul | 100    |
| 16) 4-Methylphenol             | 8.57  | 108 | 335818  | 18.82 | ng/ul | 100    |
| 17) Hexachloroethane           | 8.89  | 117 | 143273  | 20.41 | ng/ul | 97     |
| 20) Nitrobenzene               | 9.00  | 77  | 383422  | 20.77 | ng/ul | 100    |
| 21) Isophorone                 | 9.52  | 82  | 679216  | 19.64 | ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.71  | 139 | 181062  | 21.60 | ng/ul | 97     |
| 24) 2,4-Dimethylphenol         | 9.77  | 107 | 393947  | 20.51 | ng/ul | 98     |
| 25) Bis(2-Chloroethoxy)methane | 10.01 | 93  | 410050  | 19.75 | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.24 | 162 | 327787  | 20.50 | ng/ul | 98     |
| 28) Naphthalene                | 10.65 | 128 | 1003378 | 20.51 | ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.75 | 127 | 405344  | 20.69 | ng/ul | 99     |
| 31) Hexachlorobutadiene        | 10.93 | 225 | 251603  | 21.28 | ng/ul | 97     |
| 32) Caprolactam                | 11.50 | 113 | 94120   | 17.37 | ng/ul | 98     |
| 33) 4-Chloro-3-methylphenol    | 11.87 | 107 | 342503  | 19.60 | ng/ul | 98     |
| 34) 2-Methylnaphthalene        | 12.26 | 142 | 750811  | 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 | 12.62 | 216  | 440163   | 22.15 | ng/ul | 97       |
| 37) Hexachlorocyclopentadiene  | 12.60 | 237  | 264118   | 20.88 | ng/ul | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.86 | 196  | 274709   | 21.56 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.93 | 196  | 285116   | 21.37 | ng/ul | 98       |
| 40) 1,1'-Biphenyl              | 13.27 | 154  | 963989   | 21.39 | ng/ul | 98       |
| 41) 2-Chloronaphthalene        | 13.31 | 162  | 744391   | 21.05 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.52 | 65   | 216496   | 21.33 | ng/ul | 99       |
| 44) Dimethylphthalate          | 13.90 | 163  | 929371   | 20.03 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 14.02 | 165  | 189519   | 21.02 | ng/ul | 97       |
| 47) Acenaphthylene             | 14.16 | 152  | 1185692  | 20.66 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.34 | 138  | 189809   | 21.28 | ng/ul | 97       |
| 49) Acenaphthene               | 14.50 | 153  | 757530   | 20.33 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.55 | 184  | 95436    | 17.85 | ng/ul | 92       |
| 52) 4-Nitrophenol              | 14.65 | 109  | 164440   | 19.45 | ng/ul | 94       |
| 53) Dibenzofuran               | 14.84 | 168  | 1115146  | 20.16 | ng/ul | 97       |
| 54) 2,4-Dinitrotoluene         | 14.80 | 165  | 272421   | 20.47 | ng/ul | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.06 | 232  | 260517   | 20.20 | ng/ul | 97       |
| 56) Diethylphthalate           | 15.26 | 149  | 931054   | 19.02 | ng/ul | 98       |
| 58) Fluorene                   | 15.49 | 166  | 896287   | 20.09 | ng/ul | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.49 | 204  | 470104   | 19.96 | ng/ul | 99       |
| 60) 4-Nitroaniline             | 15.50 | 138  | 199252   | 19.06 | ng/ul | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 198  | 157386   | 19.76 | ng/ul | 95       |
| 64) N-Nitrosodiphenylamine     | 15.70 | 169  | 786688   | 20.98 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.37 | 248  | 315807   | 21.05 | ng/ul | 97       |
| 66) Hexachlorobenzene          | 16.49 | 284  | 353694   | 20.84 | ng/ul | 98       |
| 67) Atrazine                   | 16.64 | 200  | 313430   | 20.74 | ng/ul | 97       |
| 68) Pentachlorophenol          | 16.83 | 266  | 211585   | 20.26 | ng/ul | 99       |
| 69) Phenanthrene               | 17.22 | 178  | 1458407  | 20.47 | ng/ul | 100      |
| 71) Anthracene                 | 17.32 | 178  | 1508467  | 20.63 | ng/ul | 99       |
| 72) Carbazole                  | 17.58 | 167  | 1303267  | 20.69 | ng/ul | 100      |
| 73) Di-n-butylphthalate        | 18.15 | 149  | 1599259  | 20.77 | ng/ul | 99       |
| 74) Fluoranthene               | 19.24 | 202  | 1858689  | 21.51 | ng/ul | 99       |
| 77) Pyrene                     | 19.60 | 202  | 1919727  | 20.46 | ng/ul | 100      |
| 78) Butylbenzylphthalate       | 20.50 | 149  | 773274   | 21.20 | ng/ul | 97       |
| 79) 3,3'-Dichlorobenzidine     | 21.28 | 252  | 709198   | 21.64 | ng/ul | 99       |
| 80) Benzo(a)anthracene         | 21.34 | 228  | 2081421  | 20.76 | ng/ul | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 1138480  | 21.09 | ng/ul | 100      |
| 82) Chrysene                   | 21.40 | 228  | 1841772  | 20.10 | ng/ul | 99       |
| 84) Di-n-octyl phthalate       | 22.17 | 149  | 2029869  | 20.91 | ng/ul | 100      |
| 85) Benzo(b)fluoranthene       | 22.95 | 252  | 2337256  | 20.62 | ng/ul | 99       |
| 86) Benzo(k)fluoranthene       | 23.00 | 252  | 2140468  | 20.11 | ng/ul | 99       |
| 88) Benzo(a)pyrene             | 23.54 | 252  | 2212906  | 20.60 | ng/ul | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.93 | 276  | 2767377  | 21.01 | ng/ul | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.94 | 278  | 2306116  | 20.87 | ng/ul | 99       |
| 91) Benzo(g,h,i)perylene       | 26.63 | 276  | 2330273  | 20.93 | ng/ul | 98       |

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

