

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM102417\  
 Data File : BM012412.D  
 Acq On : 24 Oct 2017 11:31  
 Operator : SJ/JU  
 Sample : SSTD04052  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD04052

Quant Time: Oct 24 13:47:37 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 24 13:35:32 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.88  | 152  | 368221   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.67 | 136  | 1580668  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.51 | 164  | 1070676  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.25 | 188  | 2704456  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.42 | 240  | 3211584  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.73 | 264  | 3272985  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.36  | 96  | 117934  | 15.22 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.05  | 99  | 1236695 | 41.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.22  | 67  | 733082  | 40.91 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.42  | 132 | 961091  | 37.93 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.59  | 113 | 1068793 | 41.55 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.04  | 128 | 427460  | 35.44 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.76  | 143 | 453444  | 32.17 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.30 | 165 | 1140812 | 42.39 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.81 | 131 | 1274712 | 50.61 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.93 | 166 | 3839801 | 40.58 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.20 | 160 | 4578263 | 39.97 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.70 | 143 | 574681  | 40.39 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.50 | 176 | 3227849 | 41.56 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 522495  | 28.15 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.35 | 188 | 5227009 | 39.09 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.64 | 212 | 6167393 | 37.83 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.59 | 264 | 6490104 | 41.13 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue   |
|--------------------------------|-------|-----|---------|--------|----------|
| 2) 1,4-Dioxane                 | 3.40  | 88  | 121767  | 15.401 | ng/uL 94 |
| 4) Benzaldehyde                | 7.02  | 77  | 779951  | 39.068 | ng/ul 92 |
| 6) Phenol                      | 7.08  | 94  | 1275035 | 41.284 | ng/ul 96 |
| 8) Bis(2-Chloroethyl)ether     | 7.31  | 93  | 953694  | 40.520 | ng/ul 95 |
| 10) 2-Chlorophenol             | 7.45  | 128 | 973483  | 37.639 | ng/ul 93 |
| 11) 2-Methylphenol             | 8.32  | 108 | 973798  | 41.922 | ng/ul 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.42  | 45  | 1052351 | 35.213 | ng/ul 99 |
| 14) Acetophenone               | 8.70  | 105 | 1654103 | 42.313 | ng/ul 93 |
| 15) N-Nitroso-di-n-propylamine | 8.70  | 70  | 911794  | 43.520 | ng/ul 97 |
| 16) 4-Methylphenol             | 8.65  | 108 | 1061609 | 41.473 | ng/ul 99 |
| 17) Hexachloroethane           | 8.96  | 117 | 408472  | 37.428 | ng/ul 90 |
| 20) Nitrobenzene               | 9.08  | 77  | 1247791 | 41.634 | ng/ul 94 |
| 21) Isophorone                 | 9.61  | 82  | 2483272 | 44.350 | ng/ul 95 |
| 23) 2-Nitrophenol              | 9.79  | 139 | 512932  | 33.936 | ng/ul 95 |
| 24) 2,4-Dimethylphenol         | 9.85  | 107 | 1315168 | 43.175 | ng/ul 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.09 | 93  | 1386047 | 42.217 | ng/ul 97 |
| 27) 2,4-Dichlorophenol         | 10.32 | 162 | 1103037 | 41.611 | ng/ul 95 |
| 28) Naphthalene                | 10.73 | 128 | 3192954 | 39.043 | ng/ul 98 |
| 30) 4-Chloroaniline            | 10.83 | 127 | 1281258 | 51.734 | ng/ul 97 |
| 31) Hexachlorobutadiene        | 11.02 | 225 | 828775  | 42.184 | ng/ul 98 |
| 32) Caprolactam                | 11.60 | 113 | 199177  | 23.801 | ng/ul 93 |
| 33) 4-Chloro-3-methylphenol    | 11.96 | 107 | 1232140 | 44.365 | ng/ul 95 |
| 34) 2-Methylnaphthalene        | 12.34 | 142 | 2588187 | 41.939 | ng/ul 97 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.70 | 216  | 1567885  | 40.340 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.69 | 237  | 1001505  | 57.815 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.95 | 196  | 988859   | 38.373 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 13.01 | 196  | 1035066  | 39.030 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.35 | 154  | 3490095  | 38.624 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.39 | 162  | 2741993  | 38.673 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.59 | 65   | 739663   | 37.493 | ng/ul  | 88       |
| 44) Dimethylphthalate          | 13.97 | 163  | 3791248  | 39.989 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.09 | 165  | 680790   | 36.177 | ng/ul  | 90       |
| 47) Acenaphthylene             | 14.23 | 152  | 4330634  | 38.501 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.41 | 138  | 592148   | 40.444 | ng/ul# | 81       |
| 49) Acenaphthene               | 14.57 | 153  | 2968379  | 39.179 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.62 | 184  | 324967   | 30.410 | ng/ul  | 92       |
| 52) 4-Nitrophenol              | 14.72 | 109  | 583295   | 45.623 | ng/ul  | 97       |
| 53) Dibenzofuran               | 14.91 | 168  | 4341972  | 39.800 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.87 | 165  | 1033118  | 37.879 | ng/ul  | 98       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.13 | 232  | 965411   | 39.779 | ng/ul  | 94       |
| 56) Diethylphthalate           | 15.34 | 149  | 3880278  | 37.864 | ng/ul  | 99       |
| 58) Fluorene                   | 15.56 | 166  | 3706725  | 40.911 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.56 | 204  | 2016521  | 42.367 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.57 | 138  | 694635   | 38.424 | ng/ul  | 89       |
| 63) 4,6-Dinitro-2-methylphenol | 15.63 | 198  | 583986   | 29.804 | ng/ul# | 98       |
| 64) N-Nitrosodiphenylamine     | 15.77 | 169  | 3224506  | 38.092 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.45 | 248  | 1336898  | 41.296 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.56 | 284  | 1466648  | 39.990 | ng/ul  | 97       |
| 67) Atrazine                   | 16.72 | 200  | 1408560  | 39.795 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.90 | 266  | 794235   | 38.829 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.30 | 178  | 5965441  | 38.775 | ng/ul  | 99       |
| 71) Anthracene                 | 17.39 | 178  | 6187540  | 38.848 | ng/ul  | 99       |
| 72) Carbazole                  | 17.65 | 167  | 5365065  | 39.801 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.23 | 149  | 6739244  | 36.010 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.30 | 202  | 7649459  | 41.200 | ng/ul  | 97       |
| 77) Pyrene                     | 19.67 | 202  | 7780883  | 36.685 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.57 | 149  | 3137534  | 33.231 | ng/ul  | 96       |
| 79) 3,3'-Dichlorobenzidine     | 21.34 | 252  | 3040700  | 47.573 | ng/ul  | 100      |
| 80) Benzo(a)anthracene         | 21.40 | 228  | 8104726  | 38.783 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 4691022  | 33.112 | ng/ul  | 98       |
| 82) Chrysene                   | 21.46 | 228  | 7247284  | 36.938 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.25 | 149  | 7869029  | 32.885 | ng/ul  | 98       |
| 85) Benzo(b)fluoranthene       | 23.03 | 252  | 8553277  | 40.045 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 23.08 | 252  | 8110481  | 39.403 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.63 | 252  | 8062340  | 40.049 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.08 | 276  | 9167684  | 42.884 | ng/ul  | 98       |
| 90) Dibenzo(a,h)anthracene     | 26.10 | 278  | 7771811  | 43.246 | ng/ul  | 99       |
| 91) Benzo(g,h,i)perylene       | 26.80 | 276  | 7324608  | 41.833 | ng/ul  | 100      |

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

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