

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM060117\  
 Data File : BM010347.D  
 Acq On : 01 Jun 2017 10:13  
 Operator : SJ/MA  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02012

Quant Time: Jun 02 00:56:00 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 01 01:28:02 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.92  | 152  | 301337   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.73 | 136  | 1183242  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.56 | 164  | 757968   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.30 | 188  | 1714870  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.46 | 240  | 2015744  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.81 | 264  | 1915286  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.38  | 96  | 58470   | 7.96  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.10  | 99  | 446960  | 19.57 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.26  | 67  | 255793  | 19.93 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.46  | 132 | 383858  | 21.09 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.65  | 113 | 383011  | 20.79 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.11  | 128 | 180462  | 20.82 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.82  | 143 | 215405  | 21.45 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.35 | 165 | 438417  | 21.26 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.89 | 131 | 458806  | 23.06 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.97 | 166 | 1322569 | 21.00 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.26 | 160 | 1516032 | 20.64 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.80 | 143 | 171079  | 18.16 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.54 | 176 | 1142120 | 20.63 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.67 | 200 | 232149  | 19.11 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.40 | 188 | 1696880 | 20.34 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.69 | 212 | 1881754 | 22.58 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.66 | 264 | 1866233 | 20.93 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.42  | 88  | 60292   | 7.702  | ng/uL# 55 |
| 4) Benzaldehyde                | 7.08  | 77  | 337322  | 21.968 | ng/ul 95  |
| 6) Phenol                      | 7.13  | 94  | 468474  | 20.011 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.36  | 93  | 327015  | 20.129 | ng/ul 91  |
| 10) 2-Chlorophenol             | 7.49  | 128 | 381722  | 20.899 | ng/ul 95  |
| 11) 2-Methylphenol             | 8.37  | 108 | 364583  | 21.335 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.45  | 45  | 139477  | 19.037 | ng/ul# 60 |
| 14) Acetophenone               | 8.76  | 105 | 607738  | 20.214 | ng/ul# 96 |
| 15) N-Nitroso-di-n-propylamine | 8.73  | 70  | 328160  | 21.837 | ng/ul# 85 |
| 16) 4-Methylphenol             | 8.71  | 108 | 385007  | 20.541 | ng/ul 83  |
| 17) Hexachloroethane           | 8.99  | 117 | 174429  | 21.030 | ng/ul 82  |
| 20) Nitrobenzene               | 9.15  | 77  | 525574  | 21.234 | ng/ul 98  |
| 21) Isophorone                 | 9.65  | 82  | 816812  | 21.444 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.85  | 139 | 228013  | 21.418 | ng/ul 89  |
| 24) 2,4-Dimethylphenol         | 9.90  | 107 | 525223  | 21.221 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 10.14 | 93  | 436315  | 20.382 | ng/ul 95  |
| 27) 2,4-Dichlorophenol         | 10.38 | 162 | 427846  | 21.172 | ng/ul 89  |
| 28) Naphthalene                | 10.77 | 128 | 1197639 | 20.180 | ng/ul 97  |
| 30) 4-Chloroaniline            | 10.92 | 127 | 435274  | 22.663 | ng/ul 95  |
| 31) Hexachlorobutadiene        | 11.02 | 225 | 387776  | 20.946 | ng/ul 92  |
| 32) Caprolactam                | 11.72 | 113 | 94393   | 18.666 | ng/ul# 78 |
| 33) 4-Chloro-3-methylphenol    | 12.03 | 107 | 426615  | 21.932 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.37 | 142 | 940980  | 20.912 | ng/ul 99  |

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 ClientSampleId :  
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Quant Time: Jun 02 00:56:00 2017  
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 QLast Update : Thu Jun 01 01:28:02 2017  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.73 | 216  | 661911   | 20.993 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.69 | 237  | 358005   | 16.932 | ng/ul# | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.99 | 196  | 379984   | 21.202 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 13.06 | 196  | 391710   | 21.668 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.39 | 154  | 1274886  | 20.734 | ng/ul  | 100      |
| 41) 2-Chloronaphthalene        | 13.43 | 162  | 982946   | 20.348 | ng/ul  | 95       |
| 42) 2-Nitroaniline             | 13.67 | 65   | 260997   | 21.214 | ng/ul  | 90       |
| 44) Dimethylphthalate          | 14.02 | 163  | 1275645  | 20.597 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.15 | 165  | 247248   | 21.780 | ng/ul# | 83       |
| 47) Acenaphthylene             | 14.29 | 152  | 1503912  | 20.948 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.50 | 138  | 204877   | 18.732 | ng/ul  | 93       |
| 49) Acenaphthene               | 14.62 | 153  | 1036086  | 20.577 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.69 | 184  | 155615   | 18.139 | ng/ul  | 88       |
| 52) 4-Nitrophenol              | 14.81 | 109  | 255016   | 19.749 | ng/ul  | 85       |
| 53) Dibenzofuran               | 14.96 | 168  | 1523135  | 20.458 | ng/ul  | 93       |
| 54) 2,4-Dinitrotoluene         | 14.93 | 165  | 349982   | 20.994 | ng/ul  | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.18 | 232  | 364068   | 20.963 | ng/ul# | 94       |
| 56) Diethylphthalate           | 15.37 | 149  | 1231356  | 20.555 | ng/ul  | 96       |
| 58) Fluorene                   | 15.60 | 166  | 1246128  | 20.404 | ng/ul  | 94       |
| 59) 4-Chlorophenyl-phenylether | 15.59 | 204  | 727090   | 20.831 | ng/ul  | 95       |
| 60) 4-Nitroaniline             | 15.67 | 138  | 206760   | 18.055 | ng/ul  | 94       |
| 63) 4,6-Dinitro-2-methylphenol | 15.69 | 198  | 246324   | 19.138 | ng/ul# | 96       |
| 64) N-Nitrosodiphenylamine     | 15.82 | 169  | 1042595  | 20.857 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.49 | 248  | 452107   | 21.427 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 16.58 | 284  | 442374   | 20.020 | ng/ul# | 83       |
| 67) Atrazine                   | 16.76 | 200  | 451875   | 20.798 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.94 | 266  | 268595   | 19.096 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.34 | 178  | 1885478  | 20.595 | ng/ul  | 99       |
| 71) Anthracene                 | 17.43 | 178  | 1954819  | 20.454 | ng/ul  | 99       |
| 72) Carbazole                  | 17.72 | 167  | 1574096  | 19.459 | ng/ul  | 100      |
| 73) Di-n-butylphthalate        | 18.24 | 149  | 1899813  | 20.803 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.35 | 202  | 2253699  | 20.019 | ng/ul  | 99       |
| 77) Pyrene                     | 19.72 | 202  | 2325797  | 22.391 | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.59 | 149  | 816878   | 22.755 | ng/ul  | 96       |
| 79) 3,3'-Dichlorobenzidine     | 21.39 | 252  | 783641   | 19.805 | ng/ul  | 94       |
| 80) Benzo(a)anthracene         | 21.45 | 228  | 2326453  | 20.467 | ng/ul  | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.33 | 149  | 1188884  | 22.258 | ng/ul  | 99       |
| 82) Chrysene                   | 21.50 | 228  | 2114220  | 20.575 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.23 | 149  | 2062876  | 23.401 | ng/ul# | 93       |
| 85) Benzo(b)fluoranthene       | 23.09 | 252  | 2359140  | 21.168 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 23.14 | 252  | 2287146  | 21.482 | ng/ul  | 100      |
| 88) Benzo(a)pyrene             | 23.71 | 252  | 2282477  | 20.662 | ng/ul  | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.20 | 276  | 2899498  | 20.775 | ng/ul  | 98       |
| 90) Dibenzo(a,h)anthracene     | 26.21 | 278  | 2478075  | 20.616 | ng/ul  | 99       |
| 91) Benzo(g,h,i)perylene       | 26.96 | 276  | 2389768  | 20.784 | ng/ul  | 98       |

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

