

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121517\  
 Data File : BM013477.D  
 Acq On : 16 Dec 2017 15:21  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02043

Manual Integrations  
 APPROVED

Sohil  
 12/18/2017 2:10:50 PM

Quant Time: Dec 18 03:10:23 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM113017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Dec 16 00:23:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 236422   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 1033717  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.32 | 164  | 598700   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.07 | 188  | 1344206  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 1076158  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.48 | 264  | 859784   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 33576   | 7.03  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.86  | 99  | 402173  | 19.66 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 231652  | 19.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.21  | 132 | 319998  | 20.02 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 330792  | 18.93 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 164121  | 20.02 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 184230  | 21.00 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 350577  | 19.39 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 398553  | 23.98 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 994445  | 18.67 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.01 | 160 | 1297489 | 19.74 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.54 | 143 | 161374  | 17.43 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.32 | 176 | 856430  | 18.69 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 123771  | 14.64 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.17 | 188 | 1345532 | 19.99 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 1306989 | 24.38 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.34 | 264 | 848526  | 19.38 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |               | Qvalue |
|--------------------------------|-------|-----|---------|---------------|--------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 37901   | 7.072 ng/uL#  | 63     |
| 4) Benzaldehyde                | 6.83  | 77  | 211309  | 20.877 ng/ul  | 84     |
| 6) Phenol                      | 6.88  | 94  | 394936  | 19.531 ng/ul# | 84     |
| 8) Bis(2-Chloroethyl)ether     | 7.11  | 93  | 305563  | 19.764 ng/ul  | 100    |
| 10) 2-Chlorophenol             | 7.24  | 128 | 317761  | 20.274 ng/ul  | 94     |
| 11) 2-Methylphenol             | 8.12  | 108 | 302802  | 19.361 ng/ul  | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 331075  | 20.394 ng/ul# | 81     |
| 14) Acetophenone               | 8.49  | 105 | 516722  | 19.444 ng/ul  | 90     |
| 15) N-Nitroso-di-n-propylamine | 8.48  | 70  | 251845  | 18.813 ng/ul# | 71     |
| 16) 4-Methylphenol             | 8.45  | 108 | 328975  | 19.670 ng/ul  | 94     |
| 17) Hexachloroethane           | 8.74  | 117 | 128448  | 18.824 ng/ul# | 78     |
| 20) Nitrobenzene               | 8.87  | 77  | 387768  | 18.778 ng/ul  | 94     |
| 21) Isophorone                 | 9.39  | 82  | 697389  | 19.192 ng/ul  | 94     |
| 23) 2-Nitrophenol              | 9.57  | 139 | 187994  | 20.668 ng/ul# | 77     |
| 24) 2,4-Dimethylphenol         | 9.64  | 107 | 376861  | 18.997 ng/ul# | 86     |
| 25) Bis(2-Chloroethoxy)methane | 9.87  | 93  | 411843  | 19.366 ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 10.11 | 162 | 324170  | 19.411 ng/ul  | 88     |
| 28) Naphthalene                | 10.50 | 128 | 1045432 | 19.657 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.62 | 127 | 390627  | 24.282 ng/ul  | 95     |
| 31) Hexachlorobutadiene        | 10.78 | 225 | 222835  | 18.421 ng/ul  | 96     |
| 32) Caprolactam                | 11.40 | 113 | 102414m | 19.188 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.75 | 107 | 336149  | 18.349 ng/ul  | 95     |
| 34) 2-Methylnaphthalene        | 12.12 | 142 | 756330  | 18.918 ng/ul  | 97     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216  | 427920   | 19.808 | ng/ul# | 91       |
| 37) Hexachlorocyclopentadiene  | 12.47 | 237  | 196410   | 13.813 | ng/ul# | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.74 | 196  | 277895   | 20.634 | ng/ul  | 94       |
| 39) 2,4,5-Trichlorophenol      | 12.82 | 196  | 290260   | 20.289 | ng/ul  | 100      |
| 40) 1,1'-Biphenyl              | 13.15 | 154  | 1001861  | 19.800 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.19 | 162  | 794661   | 20.018 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.40 | 65   | 227052   | 19.522 | ng/ul  | 94       |
| 44) Dimethylphthalate          | 13.78 | 163  | 942595   | 18.498 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 13.90 | 165  | 204846   | 19.711 | ng/ul  | 97       |
| 47) Acenaphthylene             | 14.04 | 152  | 1208026  | 19.855 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.23 | 138  | 192962   | 20.772 | ng/ul  | 97       |
| 49) Acenaphthene               | 14.38 | 153  | 810751   | 19.562 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.45 | 184  | 82328    | 14.315 | ng/ul  | 93       |
| 52) 4-Nitrophenol              | 14.55 | 109  | 145788   | 16.054 | ng/ul  | 84       |
| 53) Dibenzofuran               | 14.72 | 168  | 1159867  | 18.957 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.70 | 165  | 291273   | 19.267 | ng/ul  | 88       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 249444   | 19.016 | ng/ul  | 92       |
| 56) Diethylphthalate           | 15.15 | 149  | 951523   | 18.618 | ng/ul  | 95       |
| 58) Fluorene                   | 15.37 | 166  | 946270   | 18.695 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.37 | 204  | 501282   | 18.247 | ng/ul  | 96       |
| 60) 4-Nitroaniline             | 15.40 | 138  | 217589   | 19.853 | ng/ul  | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 120500   | 14.260 | ng/ul  | 94       |
| 64) N-Nitrosodiphenylamine     | 15.59 | 169  | 814161   | 20.561 | ng/ul  | 96       |
| 65) 4-Bromophenyl-phenylether  | 16.26 | 248  | 319216   | 20.201 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.37 | 284  | 342172   | 19.636 | ng/ul# | 94       |
| 67) Atrazine                   | 16.54 | 200  | 296937   | 20.317 | ng/ul  | 93       |
| 68) Pentachlorophenol          | 16.72 | 266  | 169187   | 16.787 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.11 | 178  | 1493159  | 19.552 | ng/ul  | 99       |
| 71) Anthracene                 | 17.20 | 178  | 1541073  | 19.742 | ng/ul  | 99       |
| 72) Carbazole                  | 17.47 | 167  | 1273166  | 18.962 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.04 | 149  | 1547539  | 19.744 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.13 | 202  | 1658212  | 17.719 | ng/ul# | 92       |
| 77) Pyrene                     | 19.49 | 202  | 1616684  | 24.728 | ng/ul# | 90       |
| 78) Butylbenzylphthalate       | 20.40 | 149  | 663399   | 25.970 | ng/ul  | 91       |
| 79) 3,3'-Dichlorobenzidine     | 21.18 | 252  | 368958   | 16.309 | ng/ul# | 95       |
| 80) Benzo(a)anthracene         | 21.24 | 228  | 1339853  | 19.623 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.18 | 149  | 904357   | 23.487 | ng/ul  | 99       |
| 82) Chrysene                   | 21.30 | 228  | 1224155  | 19.325 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 22.06 | 149  | 1430210  | 23.392 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 22.82 | 252  | 1123211  | 19.379 | ng/ul# | 98       |
| 86) Benzo(k)fluoranthene       | 22.86 | 252  | 1028214  | 18.851 | ng/ul# | 98       |
| 88) Benzo(a)pyrene             | 23.39 | 252  | 1009606  | 19.391 | ng/ul# | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.71 | 276  | 1112583  | 21.537 | ng/ul# | 93       |
| 90) Dibenzo(a,h)anthracene     | 25.72 | 278  | 952751   | 21.659 | ng/ul# | 94       |
| 91) Benzo(g,h,i)perylene       | 26.40 | 276  | 921251   | 22.608 | ng/ul# | 94       |

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

