

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM110517\  
 Data File : BM012772.D  
 Acq On : 06 Nov 2017 11:59  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02099

Manual Integrations  
 APPROVED

Sohil  
 11/7/2017 5:35:10 PM

Quant Time: Nov 07 04:00:32 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\Methods\SOM-EPA-BM110417MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 06 07:19:57 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 101792   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.60 | 136  | 441191   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.45 | 164  | 293972   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.20 | 188  | 706098   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.38 | 240  | 741505   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.67 | 264  | 702317   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 13558  | 7.20  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 147427 | 19.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 78669  | 19.17 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.35  | 132 | 124816 | 19.78 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 133440 | 20.41 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.97  | 128 | 62414  | 19.15 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.69  | 143 | 76194  | 20.43 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.23 | 165 | 152983 | 20.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.74 | 131 | 176797 | 23.96 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.86 | 166 | 476911 | 19.60 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.14 | 160 | 575913 | 19.14 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.67 | 143 | 72316  | 18.55 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.44 | 176 | 400075 | 19.20 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 86529  | 18.56 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.30 | 188 | 636805 | 18.67 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.59 | 212 | 692275 | 20.12 | ng/ul | 0.01 |
| 89) Benzo(a)pyrene-d12         | 23.52 | 264 | 621450 | 18.71 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.33  | 88  | 14707  | 6.954  | ng/uL 95  |
| 4) Benzaldehyde                | 6.96  | 77  | 92201  | 22.888 | ng/ul 96  |
| 6) Phenol                      | 7.02  | 94  | 149948 | 19.286 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.23  | 93  | 113802 | 19.527 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.38  | 128 | 126256 | 19.426 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.26  | 108 | 119695 | 20.232 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.35  | 45  | 99124  | 20.586 | ng/ul# 92 |
| 14) Acetophenone               | 8.63  | 105 | 205624 | 20.903 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.62  | 70  | 102006 | 21.570 | ng/ul 96  |
| 16) 4-Methylphenol             | 8.59  | 108 | 133509 | 20.792 | ng/ul 95  |
| 17) Hexachloroethane           | 8.88  | 117 | 49212  | 18.811 | ng/ul# 73 |
| 20) Nitrobenzene               | 9.01  | 77  | 143697 | 18.729 | ng/ul 99  |
| 21) Isophorone                 | 9.54  | 82  | 283615 | 20.528 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.72  | 139 | 80096  | 19.944 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.79  | 107 | 160574 | 19.658 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 10.02 | 93  | 171972 | 19.967 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.26 | 162 | 147078 | 19.736 | ng/ul 98  |
| 28) Naphthalene                | 10.65 | 128 | 415349 | 18.830 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.76 | 127 | 175415 | 23.644 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.93 | 225 | 106744 | 18.212 | ng/ul 99  |
| 32) Caprolactam                | 11.56 | 113 | 46739m | 22.301 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.90 | 107 | 152677 | 21.070 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.26 | 142 | 331707 | 19.677 | ng/ul 97  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.64 | 216  | 203849   | 17.912 | ng/ul# | 97       |
| 37) Hexachlorocyclopentadiene  | 12.61 | 237  | 91545    | 15.795 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.89 | 196  | 139500   | 19.397 | ng/ul  | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.96 | 196  | 143364   | 19.107 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.28 | 154  | 451069   | 18.550 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.32 | 162  | 355229   | 18.491 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.53 | 65   | 90176    | 19.867 | ng/ul  | 98       |
| 44) Dimethylphthalate          | 13.90 | 163  | 470226   | 19.479 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.03 | 165  | 98233    | 20.329 | ng/ul  | 97       |
| 47) Acenaphthylene             | 14.17 | 152  | 554839   | 19.022 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.36 | 138  | 88799    | 21.793 | ng/ul  | 97       |
| 49) Acenaphthene               | 14.52 | 153  | 374326   | 18.840 | ng/ul  | 96       |
| 50) 2,4-Dinitrophenol          | 14.59 | 184  | 58013    | 19.222 | ng/ul  | 88       |
| 52) 4-Nitrophenol              | 14.69 | 109  | 60388    | 17.558 | ng/ul  | 98       |
| 53) Dibenzofuran               | 14.85 | 168  | 551295   | 19.024 | ng/ul  | 92       |
| 54) 2,4-Dinitrotoluene         | 14.83 | 165  | 144908   | 20.391 | ng/ul  | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.09 | 232  | 134876   | 19.364 | ng/ul# | 82       |
| 56) Diethylphthalate           | 15.27 | 149  | 459578   | 19.601 | ng/ul  | 96       |
| 58) Fluorene                   | 15.50 | 166  | 458772   | 19.058 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.49 | 204  | 252896   | 18.908 | ng/ul# | 86       |
| 60) 4-Nitroaniline             | 15.53 | 138  | 96129    | 20.268 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.60 | 198  | 92312    | 18.808 | ng/ul# | 88       |
| 64) N-Nitrosodiphenylamine     | 15.71 | 169  | 402443   | 18.877 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.39 | 248  | 172077   | 18.758 | ng/ul# | 82       |
| 66) Hexachlorobenzene          | 16.51 | 284  | 193476   | 18.679 | ng/ul# | 84       |
| 67) Atrazine                   | 16.66 | 200  | 165494   | 19.444 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.86 | 266  | 99873    | 16.876 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.24 | 178  | 719628   | 18.646 | ng/ul  | 99       |
| 71) Anthracene                 | 17.33 | 178  | 756125   | 18.896 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.25 | 216  | 203732   | 17.652 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.77 | 250  | 215092   | 18.212 | ng/uL  | 99       |
| 74) Carbazole                  | 17.60 | 167  | 631186   | 18.912 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 18.16 | 149  | 783067   | 20.024 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.26 | 202  | 873056   | 18.825 | ng/ul# | 92       |
| 79) Pyrene                     | 19.62 | 202  | 887653   | 20.064 | ng/ul# | 92       |
| 80) Butylbenzylphthalate       | 20.51 | 149  | 327850   | 20.321 | ng/ul# | 94       |
| 81) 3,3'-Dichlorobenzidine     | 21.29 | 252  | 330143   | 20.130 | ng/ul# | 98       |
| 82) Benzo(a)anthracene         | 21.36 | 228  | 849770   | 18.939 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 464263   | 19.753 | ng/ul# | 95       |
| 84) Chrysene                   | 21.42 | 228  | 754007   | 18.542 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.17 | 149  | 741679   | 20.076 | ng/ul# | 100      |
| 87) Benzo(b)fluoranthene       | 22.98 | 252  | 801340   | 18.671 | ng/ul# | 96       |
| 88) Benzo(k)fluoranthene       | 23.02 | 252  | 784622   | 19.233 | ng/ul# | 96       |
| 90) Benzo(a)pyrene             | 23.57 | 252  | 761305   | 18.641 | ng/ul# | 96       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.99 | 276  | 841209   | 17.091 | ng/ul# | 89       |
| 92) Dibenzo(a,h)anthracene     | 26.00 | 278  | 713841   | 17.132 | ng/ul# | 93       |
| 93) Benzo(g,h,i)perylene       | 26.70 | 276  | 689435   | 16.999 | ng/ul# | 89       |

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

