

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM100617\  
 Data File : BM011951.D  
 Acq On : 06 Oct 2017 21:54  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02027

Manual Integrations  
 APPROVED

Sohil  
 10/9/2017 6:38:56 PM

Quant Time: Oct 07 05:55:25 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 07 04:15:28 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 250122   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.66 | 136  | 1020005  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.50 | 164  | 568090   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.24 | 188  | 1171995  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.41 | 240  | 1174415  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.74 | 264  | 1260826  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 45359   | 8.58  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.02  | 99  | 405120  | 18.83 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.19  | 67  | 251543  | 19.75 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.39  | 132 | 359389  | 20.82 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.56  | 113 | 338573  | 18.20 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.02  | 128 | 167070  | 23.00 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.75  | 143 | 192732  | 23.56 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.28 | 165 | 358544  | 21.69 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 411414  | 22.80 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.91 | 166 | 985143  | 20.01 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.20 | 160 | 1241829 | 21.46 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.70 | 143 | 141690  | 16.47 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.49 | 176 | 845296  | 19.45 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 152146  | 19.29 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.34 | 188 | 1219264 | 21.11 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.63 | 212 | 1281037 | 24.18 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.59 | 264 | 1253307 | 20.66 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |              | Qvalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 46075   | 8.57 ng/uL#  | 68     |
| 4) Benzaldehyde                | 7.00  | 77  | 236894  | 22.09 ng/ul  | 91     |
| 6) Phenol                      | 7.04  | 94  | 396102  | 18.60 ng/ul# | 85     |
| 8) Bis(2-Chloroethyl)ether     | 7.27  | 93  | 317171  | 19.84 ng/ul  | 95     |
| 10) 2-Chlorophenol             | 7.42  | 128 | 346418  | 20.54 ng/ul  | 99     |
| 11) 2-Methylphenol             | 8.30  | 108 | 300263  | 18.54 ng/ul  | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.39  | 45  | 407386  | 19.92 ng/ul# | 87     |
| 14) Acetophenone               | 8.68  | 105 | 502685  | 18.47 ng/ul  | 90     |
| 15) N-Nitroso-di-n-propylamine | 8.66  | 70  | 268756  | 19.29 ng/ul# | 69     |
| 16) 4-Methylphenol             | 8.63  | 108 | 329423  | 18.17 ng/ul  | 93     |
| 17) Hexachloroethane           | 8.93  | 117 | 149834  | 22.14 ng/ul# | 80     |
| 20) Nitrobenzene               | 9.06  | 77  | 389264  | 22.18 ng/ul  | 92     |
| 21) Isophorone                 | 9.59  | 82  | 685540  | 20.95 ng/ul  | 94     |
| 23) 2-Nitrophenol              | 9.77  | 139 | 197141  | 22.93 ng/ul# | 80     |
| 24) 2,4-Dimethylphenol         | 9.83  | 107 | 388230  | 21.05 ng/ul# | 85     |
| 25) Bis(2-Chloroethoxy)methane | 10.07 | 93  | 421447  | 20.97 ng/ul  | 95     |
| 27) 2,4-Dichlorophenol         | 10.30 | 162 | 339836  | 21.30 ng/ul  | 91     |
| 28) Naphthalene                | 10.71 | 128 | 1067092 | 20.85 ng/ul  | 100    |
| 30) 4-Chloroaniline            | 10.82 | 127 | 390857  | 22.08 ng/ul  | 94     |
| 31) Hexachlorobutadiene        | 10.99 | 225 | 260711  | 22.27 ng/ul  | 93     |
| 32) Caprolactam                | 11.60 | 113 | 86130   | 16.47 ng/ul# | 44     |
| 33) 4-Chloro-3-methylphenol    | 11.95 | 107 | 335588  | 19.35 ng/ul  | 95     |
| 34) 2-Methylnaphthalene        | 12.32 | 142 | 781209  | 20.02 ng/ul  | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.69 | 216  | 442807   | 22.98 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.66 | 237  | 215120   | 19.18 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.93 | 196  | 282770   | 23.10 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 13.00 | 196  | 290010   | 22.51 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.33 | 154  | 994601   | 21.90 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.38 | 162  | 778295   | 21.90 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.59 | 65   | 200527   | 22.23 | ng/ul  | 89       |
| 44) Dimethylphthalate          | 13.96 | 163  | 950017   | 20.06 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.08 | 165  | 187630   | 21.01 | ng/ul  | 89       |
| 47) Acenaphthylene             | 14.23 | 152  | 1202048  | 21.43 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.41 | 138  | 156765   | 18.90 | ng/ul  | 90       |
| 49) Acenaphthene               | 14.56 | 153  | 803408   | 20.70 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.62 | 184  | 96005    | 16.27 | ng/ul  | 93       |
| 52) 4-Nitrophenol              | 14.72 | 109  | 120359   | 17.51 | ng/ul# | 79       |
| 53) Dibenzofuran               | 14.90 | 168  | 1142688  | 20.28 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.87 | 165  | 260138   | 19.70 | ng/ul# | 82       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.13 | 232  | 249652   | 19.84 | ng/ul  | 91       |
| 56) Diethylphthalate           | 15.32 | 149  | 933221   | 19.41 | ng/ul  | 95       |
| 58) Fluorene                   | 15.55 | 166  | 911868   | 19.38 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.54 | 204  | 489097   | 19.66 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.57 | 138  | 165453m  | 17.12 | ng/ul  |          |
| 63) 4,6-Dinitro-2-methylphenol | 15.63 | 198  | 158263   | 19.64 | ng/ul# | 89       |
| 64) N-Nitrosodiphenylamine     | 15.75 | 169  | 770884   | 22.77 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.43 | 248  | 293342   | 22.34 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.55 | 284  | 322570   | 21.98 | ng/ul# | 91       |
| 67) Atrazine                   | 16.70 | 200  | 280583   | 20.93 | ng/ul  | 95       |
| 68) Pentachlorophenol          | 16.90 | 266  | 182817   | 19.80 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.29 | 178  | 1334805  | 20.71 | ng/ul  | 99       |
| 71) Anthracene                 | 17.38 | 178  | 1381156  | 21.06 | ng/ul  | 99       |
| 72) Carbazole                  | 17.65 | 167  | 1123273  | 19.77 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.20 | 149  | 1471809  | 21.62 | ng/ul# | 98       |
| 74) Fluoranthene               | 19.30 | 202  | 1510466  | 19.20 | ng/ul# | 90       |
| 77) Pyrene                     | 19.66 | 202  | 1571722  | 24.14 | ng/ul# | 89       |
| 78) Butylbenzylphthalate       | 20.55 | 149  | 654224   | 25.65 | ng/ul  | 88       |
| 79) 3,3'-Dichlorobenzidine     | 21.33 | 252  | 464292   | 21.24 | ng/ul# | 94       |
| 80) Benzo(a)anthracene         | 21.40 | 228  | 1485433  | 22.08 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.31 | 149  | 941519   | 24.81 | ng/ul# | 97       |
| 82) Chrysene                   | 21.46 | 228  | 1406263  | 22.00 | ng/ul  | 100      |
| 84) Di-n-octyl phthalate       | 22.21 | 149  | 1617583  | 21.96 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 23.04 | 252  | 1515413  | 19.77 | ng/ul# | 96       |
| 86) Benzo(k)fluoranthene       | 23.08 | 252  | 1508204  | 19.71 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.64 | 252  | 1504955  | 20.44 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.11 | 276  | 1847602  | 23.45 | ng/ul# | 93       |
| 90) Dibenzo(a,h)anthracene     | 26.12 | 278  | 1542562  | 23.82 | ng/ul# | 95       |
| 91) Benzo(g,h,i)perylene       | 26.84 | 276  | 1567201  | 24.04 | ng/ul# | 94       |

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

