

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072219\  
 Data File : BM021603.D  
 Acq On : 23 Jul 2019 04:52  
 Operator : HP/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02004

Manual Integrations  
 APPROVED

mohammad  
 7/23/2019 8:43:48 AM

Quant Time: Jul 23 05:33:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 20 05:03:12 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 154053   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 733165   | 20.00 | ng/ul | -0.01    |
| 35) Acenaphthene-d10      | 14.35 | 164  | 516487   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.10 | 188  | 1324461  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.29 | 240  | 1494153  | 20.00 | ng/ul | -0.01    |
| 85) Perylene-d12          | 23.54 | 264  | 1694255  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 21945   | 7.02  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.88  | 99  | 240372  | 20.07 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 134719  | 18.97 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.24  | 132 | 194171  | 18.83 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 209065  | 21.91 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.87  | 128 | 101031  | 16.73 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 110812  | 16.23 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.11 | 165 | 247248  | 18.15 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.64 | 131 | 259143  | 21.04 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.77 | 166 | 798417  | 17.65 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.04 | 160 | 987764  | 17.39 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 14.57 | 143 | 134394  | 18.75 | ng/ul | -0.01 |
| 57) Fluorene-d10               | 15.35 | 176 | 706238  | 17.49 | ng/ul | -0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.49 | 200 | 137589  | 15.45 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.20 | 188 | 1190475 | 17.30 | ng/ul | -0.01 |
| 78) Pyrene-d10                 | 19.50 | 212 | 1375559 | 16.78 | ng/ul | -0.01 |
| 89) Benzo(a)pyrene-d12         | 23.40 | 264 | 1594473 | 16.36 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 22451  | 6.830 ng/uL# | 93     |
| 4) Benzaldehyde                | 6.87  | 77  | 116482 | 18.012 ng/ul | 99     |
| 6) Phenol                      | 6.91  | 94  | 246454 | 21.496 ng/ul | 98     |
| 8) Bis(2-Chloroethyl)ether     | 7.15  | 93  | 182730 | 20.614 ng/ul | 96     |
| 10) 2-Chlorophenol             | 7.27  | 128 | 196533 | 19.835 ng/ul | 97     |
| 11) 2-Methylphenol             | 8.15  | 108 | 193008 | 22.092 ng/ul | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.23  | 45  | 246645 | 22.818 ng/ul | 100    |
| 14) Acetophenone               | 8.53  | 105 | 337032 | 23.453 ng/ul | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.52  | 70  | 170053 | 23.599 ng/ul | 94     |
| 16) 4-Methylphenol             | 8.48  | 108 | 215178 | 23.231 ng/ul | 96     |
| 17) Hexachloroethane           | 8.76  | 117 | 85703  | 19.781 ng/ul | 94     |
| 20) Nitrobenzene               | 8.91  | 77  | 248577 | 18.376 ng/ul | 99     |
| 21) Isophorone                 | 9.43  | 82  | 497114 | 20.734 ng/ul | 98     |
| 23) 2-Nitrophenol              | 9.62  | 139 | 122943 | 18.078 ng/ul | 96     |
| 24) 2,4-Dimethylphenol         | 9.67  | 107 | 259720 | 19.629 ng/ul | 99     |
| 25) Bis(2-Chloroethoxy)methane | 9.91  | 93  | 295047 | 19.729 ng/ul | 98     |
| 27) 2,4-Dichlorophenol         | 10.14 | 162 | 237657 | 19.076 ng/ul | 99     |
| 28) Naphthalene                | 10.53 | 128 | 710737 | 18.627 ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.66 | 127 | 263663 | 22.401 ng/ul | 99     |
| 31) Hexachlorobutadiene        | 10.80 | 225 | 161563 | 17.547 ng/ul | 99     |
| 32) Caprolactam                | 11.47 | 113 | 90696m | 27.896 ng/ul |        |
| 33) 4-Chloro-3-methylphenol    | 11.79 | 107 | 260565 | 22.469 ng/ul | 99     |
| 34) 2-Methylnaphthalene        | 12.15 | 142 | 558828 | 19.869 ng/ul | 100    |

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Instrument :  
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 SSTD02004

Manual Integrations  
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Quant Time: Jul 23 05:33:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 20 05:03:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216  | 336395   | 16.747 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.49 | 237  | 128444   | 12.570 | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.77 | 196  | 214853   | 17.973 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 12.85 | 196  | 237323   | 18.731 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.17 | 154  | 757601   | 17.526 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.22 | 162  | 608155   | 17.555 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.45 | 65   | 148701   | 19.644 | ng/ul  | 95       |
| 44) Dimethylphthalate          | 13.82 | 163  | 808511   | 19.195 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.95 | 165  | 146788   | 19.137 | ng/ul  | 96       |
| 47) Acenaphthylene             | 14.07 | 152  | 905462   | 18.325 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.28 | 138  | 128583   | 18.636 | ng/ul  | 98       |
| 49) Acenaphthene               | 14.42 | 153  | 657203   | 18.304 | ng/ul  | 100      |
| 50) 2,4-Dinitrophenol          | 14.49 | 184  | 83394    | 18.079 | ng/ul  | 95       |
| 52) 4-Nitrophenol              | 14.59 | 109  | 115030   | 21.543 | ng/ul  | 93       |
| 53) Dibenzofuran               | 14.75 | 168  | 964577   | 18.545 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.74 | 165  | 240600   | 20.452 | ng/ul# | 87       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.98 | 232  | 223506   | 19.793 | ng/ul  | 98       |
| 56) Diethylphthalate           | 15.18 | 149  | 795988   | 19.683 | ng/ul  | 99       |
| 58) Fluorene                   | 15.40 | 166  | 798853   | 18.984 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.40 | 204  | 446469   | 18.985 | ng/ul  | 100      |
| 60) 4-Nitroaniline             | 15.45 | 138  | 136848   | 19.316 | ng/ul  | 94       |
| 63) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 144675   | 16.334 | ng/ul  | 97       |
| 64) N-Nitrosodiphenylamine     | 15.62 | 169  | 701025   | 17.792 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.29 | 248  | 286377   | 17.476 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.40 | 284  | 338975   | 17.399 | ng/ul  | 97       |
| 67) Atrazine                   | 16.58 | 200  | 310056   | 21.301 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.75 | 266  | 186851   | 18.194 | ng/ul  | 100      |
| 69) Phenanthrene               | 17.15 | 178  | 1356799  | 18.168 | ng/ul  | 100      |
| 71) Anthracene                 | 17.23 | 178  | 1386701  | 18.244 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.13 | 216  | 335085   | 15.433 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.66 | 250  | 383869   | 17.163 | ng/uL  | 98       |
| 74) Carbazole                  | 17.52 | 167  | 1185270  | 18.787 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.07 | 149  | 1329019  | 18.387 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.16 | 202  | 1690996  | 19.069 | ng/ul  | 99       |
| 79) Pvrene                     | 19.53 | 202  | 1742497  | 17.621 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 20.43 | 149  | 600257   | 17.136 | ng/ul  | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 539580   | 16.242 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.27 | 228  | 1884298  | 18.415 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 879853   | 17.076 | ng/ul  | 99       |
| 84) Chrysene                   | 21.33 | 228  | 1760834  | 18.305 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.08 | 149  | 1550972  | 16.946 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.86 | 252  | 1960164  | 18.565 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.91 | 252  | 1937850  | 18.427 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.44 | 252  | 1889501  | 18.528 | ng/ul  | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.80 | 276  | 2245725  | 17.827 | ng/ul  | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.81 | 278  | 1899261  | 17.935 | ng/ul  | 100      |
| 93) Benzo(g,h,i)perylene       | 26.50 | 276  | 1781981  | 17.146 | ng/ul  | 99       |

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

