

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\  
 Data File : BM023715.D  
 Acq On : 14 Nov 2019 02:07  
 Operator : JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02017

Manual Integrations  
 APPROVED

mohammad  
 11/14/2019 6:59:52 AM

Quant Time: Nov 14 04:10:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 14 03:45:07 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.54  | 152  | 462347   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 2302480  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.20 | 164  | 1691883  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.95 | 188  | 3573745  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.15 | 240  | 2643889  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.31 | 264  | 2569821  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.07  | 96  | 61281   | 5.46  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.73  | 99  | 757304  | 17.97 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.89  | 67  | 392627  | 16.21 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.08  | 132 | 555216  | 18.18 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.26  | 113 | 644741  | 19.18 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.69  | 128 | 300518  | 18.23 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.41  | 143 | 357739  | 20.65 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.95  | 165 | 727324  | 18.41 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.46 | 131 | 845158  | 19.49 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.62 | 166 | 2177832 | 16.51 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.89 | 160 | 2562948 | 17.02 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.43 | 143 | 375807  | 16.69 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.20 | 176 | 1893216 | 16.25 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 364078  | 17.61 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.04 | 188 | 2930072 | 17.28 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.35 | 212 | 2907089 | 21.09 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.17 | 264 | 2241192 | 16.57 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |              | Ovalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.10  | 88  | 61377   | 5.107 ng/uL# | 95     |
| 4) Benzaldehyde                | 6.69  | 77  | 327759  | 13.256 ng/ul | 98     |
| 6) Phenol                      | 6.76  | 94  | 799210  | 18.408 ng/ul | 98     |
| 8) Bis(2-Chloroethyl)ether     | 6.97  | 93  | 576717  | 17.344 ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.11  | 128 | 600931  | 19.086 ng/ul | 97     |
| 11) 2-Methylphenol             | 7.99  | 108 | 623886  | 19.252 ng/ul | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.08  | 45  | 573843  | 17.689 ng/ul | 99     |
| 14) Acetophenone               | 8.36  | 105 | 988134  | 18.845 ng/ul | 96     |
| 15) N-Nitroso-di-n-propylamine | 8.36  | 70  | 537002  | 19.494 ng/ul | 98     |
| 16) 4-Methylphenol             | 8.33  | 108 | 710816  | 19.810 ng/ul | 98     |
| 17) Hexachloroethane           | 8.60  | 117 | 217360  | 17.401 ng/ul | 98     |
| 20) Nitrobenzene               | 8.73  | 77  | 732615  | 16.813 ng/ul | 95     |
| 21) Isophorone                 | 9.26  | 82  | 1512179 | 17.789 ng/ul | 98     |
| 23) 2-Nitrophenol              | 9.44  | 139 | 393653  | 20.431 ng/ul | 94     |
| 24) 2,4-Dimethylphenol         | 9.52  | 107 | 794638  | 18.047 ng/ul | 98     |
| 25) Bis(2-Chloroethoxy)methane | 9.75  | 93  | 902451  | 16.917 ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 9.97  | 162 | 725609  | 19.098 ng/ul | 98     |
| 28) Naphthalene                | 10.36 | 128 | 2100187 | 17.354 ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.48 | 127 | 895901  | 20.095 ng/ul | 98     |
| 31) Hexachlorobutadiene        | 10.66 | 225 | 421825  | 16.443 ng/ul | 99     |
| 32) Caprolactam                | 11.27 | 113 | 239148m | 19.424 ng/ul |        |
| 33) 4-Chloro-3-methylphenol    | 11.63 | 107 | 803719  | 19.059 ng/ul | 97     |
| 34) 2-Methylnaphthalene        | 11.99 | 142 | 1666219 | 17.998 ng/ul | 98     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.22 | 142  | 1598171  | 17.504 | ng/ul | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216  | 938546   | 16.978 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.35 | 237  | 672004   | 23.206 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.62 | 196  | 648551   | 19.027 | ng/ul | 100      |
| 40) 2,4,5-Trichlorophenol      | 12.69 | 196  | 698121   | 18.806 | ng/ul | 98       |
| 41) 1,1'-Biphenyl              | 13.02 | 154  | 2260453  | 17.319 | ng/ul | 100      |
| 42) 2-Chloronaphthalene        | 13.06 | 162  | 1752990  | 17.450 | ng/ul | 99       |
| 43) 2-Nitroaniline             | 13.27 | 65   | 486048   | 20.341 | ng/ul | 93       |
| 45) Dimethylphthalate          | 13.66 | 163  | 2200722  | 17.021 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.78 | 165  | 471873   | 20.037 | ng/ul | 93       |
| 48) Acenaphthylene             | 13.92 | 152  | 2713226  | 17.899 | ng/ul | 100      |
| 49) 3-Nitroaniline             | 14.11 | 138  | 440013   | 19.661 | ng/ul | 88       |
| 50) Acenaphthene               | 14.26 | 153  | 1877879  | 17.457 | ng/ul | 100      |
| 51) 2,4-Dinitrophenol          | 14.33 | 184  | 310824   | 20.935 | ng/ul | 97       |
| 53) 4-Nitrophenol              | 14.44 | 109  | 289621   | 15.935 | ng/ul | 93       |
| 54) Dibenzofuran               | 14.60 | 168  | 2725173  | 17.114 | ng/ul | 99       |
| 55) 2,4-Dinitrotoluene         | 14.58 | 165  | 690244   | 19.176 | ng/ul | 94       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.83 | 232  | 632814   | 18.010 | ng/ul | 97       |
| 57) Diethylphthalate           | 15.04 | 149  | 2206588  | 17.392 | ng/ul | 100      |
| 59) Fluorene                   | 15.25 | 166  | 2232637  | 17.282 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.25 | 204  | 1164180  | 16.699 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.28 | 138  | 461598   | 16.839 | ng/ul | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 15.34 | 198  | 397583   | 17.687 | ng/ul | 97       |
| 65) N-Nitrosodiphenylamine     | 15.47 | 169  | 1988426  | 18.964 | ng/ul | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.14 | 248  | 810574   | 18.559 | ng/ul | 98       |
| 67) Hexachlorobenzene          | 16.26 | 284  | 948340   | 18.430 | ng/ul | 97       |
| 68) Atrazine                   | 16.43 | 200  | 730467   | 18.597 | ng/ul | 98       |
| 69) Pentachlorophenol          | 16.61 | 266  | 638495   | 20.929 | ng/ul | 100      |
| 70) Phenanthrene               | 16.99 | 178  | 3530448  | 17.935 | ng/ul | 100      |
| 72) Anthracene                 | 17.08 | 178  | 3615208  | 18.265 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.99 | 216  | 943843   | 18.629 | ng/uL | 100      |
| 74) Pentachlorobenzene         | 14.52 | 250  | 1035559  | 18.499 | ng/uL | 100      |
| 75) Carbazole                  | 17.36 | 167  | 3116055  | 18.885 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 17.93 | 149  | 3784683  | 20.801 | ng/ul | 99       |
| 77) Fluoranthene               | 19.02 | 202  | 3926729  | 18.619 | ng/ul | 100      |
| 80) Pvrene                     | 19.38 | 202  | 3827757  | 22.398 | ng/ul | 98       |
| 81) Butylbenzylphthalate       | 20.30 | 149  | 1540881  | 28.468 | ng/ul | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.07 | 252  | 974141   | 17.557 | ng/ul | 99       |
| 83) Benzo(a)anthracene         | 21.13 | 228  | 3132785  | 17.964 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.09 | 149  | 2083289  | 25.492 | ng/ul | 99       |
| 85) Chrysene                   | 21.19 | 228  | 2862532  | 17.435 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 21.94 | 149  | 3086105  | 24.570 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.67 | 252  | 2866396  | 17.497 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.71 | 252  | 2561476  | 16.230 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.21 | 252  | 2580051  | 17.204 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.46 | 276  | 3114539  | 19.422 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.47 | 278  | 2640747  | 19.513 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.11 | 276  | 2611259  | 20.095 | ng/ul | 99       |

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| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

