

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061719\  
 Data File : BM021002.D  
 Acq On : 18 Jun 2019 05:38  
 Operator : HP/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02030

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:50:12 AM

Quant Time: Jun 18 07:56:17 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 18 05:54:28 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 271047   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.58 | 136  | 1207184  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.43 | 164  | 806821   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.17 | 188  | 2006044  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.36 | 240  | 2007010  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.63 | 264  | 1843488  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 41799   | 7.32  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.96  | 99  | 481837  | 20.42 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67  | 289693  | 20.61 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.32  | 132 | 388953  | 20.29 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.49  | 113 | 405920  | 20.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.95  | 128 | 200495  | 20.45 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 225548  | 20.73 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.20 | 165 | 469755  | 21.23 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 531091  | 23.01 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.84 | 166 | 1514920 | 20.78 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.12 | 160 | 1831459 | 20.52 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 258391  | 21.79 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.42 | 176 | 1322384 | 20.85 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 234412  | 19.01 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.27 | 188 | 2120163 | 20.34 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.57 | 212 | 2359977 | 19.60 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.49 | 264 | 2232559 | 20.53 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.33  | 88  | 45178   | 7.822  | ng/uL 94  |
| 4) Benzaldehyde                | 6.94  | 77  | 221580  | 20.601 | ng/ul 96  |
| 6) Phenol                      | 6.98  | 94  | 457383  | 20.497 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.22  | 93  | 350723  | 20.593 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.35  | 128 | 371149  | 20.545 | ng/ul 97  |
| 11) 2-Methylphenol             | 8.23  | 108 | 351645  | 20.367 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.31  | 45  | 452067  | 20.787 | ng/ul 99  |
| 14) Acetophenone               | 8.62  | 105 | 599856  | 21.164 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.60  | 70  | 308851  | 20.937 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.56  | 108 | 387674  | 20.633 | ng/ul 95  |
| 17) Hexachloroethane           | 8.86  | 117 | 152320  | 20.229 | ng/ul 97  |
| 20) Nitrobenzene               | 8.99  | 77  | 450267  | 20.447 | ng/ul 98  |
| 21) Isophorone                 | 9.52  | 82  | 867314  | 20.914 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.70  | 139 | 224546  | 20.523 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.76  | 107 | 463400  | 20.732 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 10.00 | 93  | 519251  | 20.318 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.23 | 162 | 424417  | 21.071 | ng/ul 96  |
| 28) Naphthalene                | 10.63 | 128 | 1260420 | 20.336 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.75 | 127 | 492079  | 22.672 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.90 | 225 | 275022  | 20.040 | ng/ul 98  |
| 32) Caprolactam                | 11.53 | 113 | 128497m | 22.693 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.86 | 107 | 450140  | 21.920 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.24 | 142 | 987291  | 20.775 | ng/ul 99  |

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Instrument :  
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 SSTD02030

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 18 05:54:28 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.61 | 216  | 575477   | 19.980 | ng/ul | 98       |
| 37) Hexachlorocyclopentadiene  | 12.58 | 237  | 301422   | 17.591 | ng/ul | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.85 | 196  | 372169   | 20.792 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.93 | 196  | 404086   | 21.135 | ng/ul | 98       |
| 40) 1,1'-Biphenyl              | 13.26 | 154  | 1328072  | 19.954 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.30 | 162  | 1054685  | 20.057 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.52 | 65   | 277909   | 21.747 | ng/ul | 99       |
| 44) Dimethylphthalate          | 13.89 | 163  | 1374863  | 20.717 | ng/ul | 98       |
| 45) 2,6-Dinitrotoluene         | 14.02 | 165  | 276730   | 21.848 | ng/ul | 97       |
| 47) Acenaphthylene             | 14.15 | 152  | 1572375  | 20.579 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.35 | 138  | 246295   | 22.213 | ng/ul | 98       |
| 49) Acenaphthene               | 14.49 | 153  | 1134115  | 20.247 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.55 | 184  | 126080   | 19.815 | ng/ul | 100      |
| 52) 4-Nitrophenol              | 14.65 | 109  | 194333   | 22.156 | ng/ul | 96       |
| 53) Dibenzofuran               | 14.83 | 168  | 1648260  | 20.666 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.80 | 165  | 416480   | 22.659 | ng/ul | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.05 | 232  | 366281   | 21.969 | ng/ul | 95       |
| 56) Diethylphthalate           | 15.25 | 149  | 1376245  | 21.495 | ng/ul | 100      |
| 58) Fluorene                   | 15.48 | 166  | 1354438  | 20.902 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.47 | 204  | 733188   | 20.753 | ng/ul | 99       |
| 60) 4-Nitroaniline             | 15.51 | 138  | 274304   | 23.274 | ng/ul | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 198  | 237251   | 19.165 | ng/ul | 97       |
| 64) N-Nitrosodiphenylamine     | 15.69 | 169  | 1186794  | 19.534 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.37 | 248  | 477172   | 19.397 | ng/ul | 96       |
| 66) Hexachlorobenzene          | 16.47 | 284  | 561181   | 19.905 | ng/ul | 99       |
| 67) Atrazine                   | 16.65 | 200  | 456306   | 20.702 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.82 | 266  | 304394   | 21.532 | ng/ul | 97       |
| 69) Phenanthrene               | 17.22 | 178  | 2243594  | 20.223 | ng/ul | 99       |
| 71) Anthracene                 | 17.31 | 178  | 2307460  | 20.409 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.22 | 216  | 575048   | 18.222 | ng/uL | 100      |
| 73) Pentachlorobenzene         | 14.75 | 250  | 610518   | 18.801 | ng/uL | 98       |
| 74) Carbazole                  | 17.58 | 167  | 1975091  | 21.197 | ng/ul | 100      |
| 75) Di-n-butylphthalate        | 18.14 | 149  | 2373896  | 21.220 | ng/ul | 100      |
| 76) Fluoranthene               | 19.23 | 202  | 2726428  | 22.744 | ng/ul | 99       |
| 79) Pvrene                     | 19.60 | 202  | 2810882  | 19.811 | ng/ul | 100      |
| 80) Butylbenzylphthalate       | 20.49 | 149  | 1122598  | 21.374 | ng/ul | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.27 | 252  | 895923   | 19.917 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.34 | 228  | 2769057  | 20.237 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 1609909  | 21.528 | ng/ul | 100      |
| 84) Chrysene                   | 21.39 | 228  | 2559713  | 19.975 | ng/ul | 100      |
| 86) Di-n-octyl phthalate       | 22.16 | 149  | 2629928  | 24.758 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.94 | 252  | 2527892  | 21.647 | ng/ul | 100      |
| 88) Benzo(k)fluoranthene       | 22.99 | 252  | 2358470  | 20.994 | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.53 | 252  | 2238507  | 20.366 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.93 | 276  | 2398662  | 18.533 | ng/ul | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.94 | 278  | 2011201  | 18.472 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.63 | 276  | 1924909  | 18.058 | ng/ul | 99       |

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

