

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\  
 Data File : BM023344.D  
 Acq On : 23 Oct 2019 16:29  
 Operator : JU  
 Sample : SSTD02009  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02009

Manual Integrations  
 APPROVED

mohammad  
 10/24/2019 5:02:34 PM

Quant Time: Oct 23 17:16:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 23 17:01:23 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 554597   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.42 | 136  | 2512557  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.29 | 164  | 1711097  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.03 | 188  | 3605675  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 3380943  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.43 | 264  | 3268147  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 94016   | 7.46  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 945290  | 19.57 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 563367  | 20.62 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 733231  | 19.83 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 785358  | 20.24 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.79  | 128 | 380659  | 22.39 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.51  | 143 | 423388  | 26.16 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 844560  | 20.52 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 896894  | 17.91 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.70 | 166 | 2631059 | 20.06 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.98 | 160 | 3035514 | 19.74 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.49 | 143 | 459949  | 21.67 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.29 | 176 | 2236355 | 20.02 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 428396  | 29.97 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.13 | 188 | 3454064 | 19.87 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.43 | 212 | 3713843 | 22.68 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.29 | 264 | 3342885 | 20.18 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 101369  | 7.697  | ng/uL 100 |
| 4) Benzaldehyde                | 6.79  | 77  | 424855  | 13.386 | ng/ul 100 |
| 6) Phenol                      | 6.85  | 94  | 983562  | 19.746 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.07  | 93  | 775671  | 21.117 | ng/ul 100 |
| 10) 2-Chlorophenol             | 7.21  | 128 | 775293  | 20.066 | ng/ul 100 |
| 11) 2-Methylphenol             | 8.09  | 108 | 754476  | 19.759 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 1126321 | 21.007 | ng/ul 100 |
| 14) Acetophenone               | 8.46  | 105 | 1260485 | 20.840 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.45  | 70  | 697259  | 20.869 | ng/ul 100 |
| 16) 4-Methylphenol             | 8.42  | 108 | 845207  | 20.356 | ng/ul 100 |
| 17) Hexachloroethane           | 8.72  | 117 | 323053  | 21.034 | ng/ul 100 |
| 20) Nitrobenzene               | 8.83  | 77  | 936395  | 20.617 | ng/ul 100 |
| 21) Isophorone                 | 9.36  | 82  | 1905019 | 19.499 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.54  | 139 | 466541  | 25.042 | ng/ul 100 |
| 24) 2,4-Dimethylphenol         | 9.61  | 107 | 968889  | 19.567 | ng/ul 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.85  | 93  | 1161930 | 21.415 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.07 | 162 | 823406  | 20.472 | ng/ul 100 |
| 28) Naphthalene                | 10.47 | 128 | 2587978 | 19.928 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.58 | 127 | 931929  | 17.987 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.77 | 225 | 532491  | 19.653 | ng/ul 100 |
| 32) Caprolactam                | 11.36 | 113 | 264730m | 18.331 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.72 | 107 | 924660  | 20.063 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 12.09 | 142 | 2002380 | 20.721 | ng/ul 100 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\  
 Data File : BM023344.D  
 Acq On : 23 Oct 2019 16:29  
 Operator : JU  
 Sample : SSTD02009  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02009

Manual Integrations  
 APPROVED

mohammad  
 10/24/2019 5:02:34 PM

Quant Time: Oct 23 17:16:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 23 17:01:23 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.32 | 142  | 1920675  | 20.537 | ng/ul | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.47 | 216  | 1084066  | 19.586 | ng/ul | 100      |
| 38) Hexachlorocyclopentadiene  | 12.46 | 237  | 665919   | 19.882 | ng/ul | 100      |
| 39) 2,4,6-Trichlorophenol      | 12.71 | 196  | 722645   | 21.232 | ng/ul | 100      |
| 40) 2,4,5-Trichlorophenol      | 12.78 | 196  | 767355   | 20.973 | ng/ul | 100      |
| 41) 1,1'-Biphenyl              | 13.12 | 154  | 2674914  | 20.545 | ng/ul | 100      |
| 42) 2-Chloronaphthalene        | 13.16 | 162  | 2041338  | 20.245 | ng/ul | 100      |
| 43) 2-Nitroaniline             | 13.36 | 65   | 578042   | 24.463 | ng/ul | 100      |
| 45) Dimethylphthalate          | 13.76 | 163  | 2653022  | 20.214 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.86 | 165  | 533689   | 25.899 | ng/ul | 100      |
| 48) Acenaphthylene             | 14.00 | 152  | 3145447  | 20.003 | ng/ul | 100      |
| 49) 3-Nitroaniline             | 14.19 | 138  | 417299   | 18.793 | ng/ul | 100      |
| 50) Acenaphthene               | 14.35 | 153  | 2184514  | 19.951 | ng/ul | 100      |
| 51) 2,4-Dinitrophenol          | 14.40 | 184  | 288416   | 30.726 | ng/ul | 100      |
| 53) 4-Nitrophenol              | 14.51 | 109  | 368279   | 19.259 | ng/ul | 100      |
| 54) Dibenzofuran               | 14.69 | 168  | 3147276  | 20.247 | ng/ul | 100      |
| 55) 2,4-Dinitrotoluene         | 14.66 | 165  | 778824   | 25.839 | ng/ul | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.92 | 232  | 701158   | 22.012 | ng/ul | 100      |
| 57) Diethylphthalate           | 15.13 | 149  | 2684269  | 20.026 | ng/ul | 100      |
| 59) Fluorene                   | 15.34 | 166  | 2577843  | 20.213 | ng/ul | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.34 | 204  | 1357531  | 20.381 | ng/ul | 100      |
| 61) 4-Nitroaniline             | 15.36 | 138  | 458762   | 17.171 | ng/ul | 100      |
| 64) 4,6-Dinitro-2-methylphenol | 15.42 | 198  | 472191   | 28.211 | ng/ul | 100      |
| 65) N-Nitrosodiphenylamine     | 15.55 | 169  | 2283431  | 20.520 | ng/ul | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.23 | 248  | 915388   | 21.029 | ng/ul | 100      |
| 67) Hexachlorobenzene          | 16.35 | 284  | 1052936  | 21.329 | ng/ul | 100      |
| 68) Atrazine                   | 16.52 | 200  | 839595   | 19.713 | ng/ul | 100      |
| 69) Pentachlorophenol          | 16.69 | 266  | 600963   | 21.733 | ng/ul | 100      |
| 70) Phenanthrene               | 17.07 | 178  | 4116400  | 20.343 | ng/ul | 100      |
| 72) Anthracene                 | 17.17 | 178  | 4209724  | 20.132 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.08 | 216  | 1058855  | 20.223 | ng/uL | 100      |
| 74) Pentachlorobenzene         | 14.61 | 250  | 1140144  | 20.901 | ng/uL | 100      |
| 75) Carbazole                  | 17.43 | 167  | 3677286  | 19.685 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.02 | 149  | 4597681  | 20.683 | ng/ul | 100      |
| 77) Fluoranthene               | 19.10 | 202  | 4774416  | 19.839 | ng/ul | 100      |
| 80) Pvrene                     | 19.46 | 202  | 4834562  | 22.826 | ng/ul | 100      |
| 81) Butylbenzylphthalate       | 20.38 | 149  | 1998486  | 27.129 | ng/ul | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.14 | 252  | 1432080  | 17.486 | ng/ul | 100      |
| 83) Benzo(a)anthracene         | 21.21 | 228  | 4602893  | 20.093 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 2842813  | 24.270 | ng/ul | 100      |
| 85) Chrysene                   | 21.26 | 228  | 4246210  | 19.962 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 22.04 | 149  | 4449737  | 26.391 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.77 | 252  | 4208527  | 21.239 | ng/ul | 100      |
| 89) Benzo(k)fluoranthene       | 22.82 | 252  | 4065927  | 21.370 | ng/ul | 100      |
| 91) Benzo(a)pyrene             | 23.33 | 252  | 3819667  | 20.092 | ng/ul | 100      |
| 92) Indeno(1,2,3-cd)pyrene     | 25.63 | 276  | 4035161  | 17.842 | ng/ul | 100      |
| 93) Dibenzo(a,h)anthracene     | 25.64 | 278  | 3396660  | 17.963 | ng/ul | 100      |
| 94) Benzo(a,h,i)perylene       | 26.30 | 276  | 3237361  | 17.386 | ng/ul | 100      |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\  
Data File : BM023344.D  
Acq On : 23 Oct 2019 16:29  
Operator : JU  
Sample : SSTD02009  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD02009

Manual Integrations  
APPROVED

mohammad  
10/24/2019 5:02:34 PM

Quant Time: Oct 23 17:16:10 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 23 17:01:23 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

