

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031921\  
 Data File : BM029165.D  
 Acq On : 19 Mar 2021 11:22  
 Operator : CG/JU  
 Sample : SST08011  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST080011

Manual Integrations  
 APPROVED

mohammad  
 3/22/2021 2:48:41 PM

Quant Time: Mar 19 12:31:58 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM031921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 19 10:50:26 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 93328    | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.56 | 136  | 348412   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.40 | 164  | 213114   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.13 | 188  | 453288   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.30 | 240  | 526099   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.54 | 264  | 534363   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 77157   | 33.53 | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.69  | 84  | 526207  | 80.25 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 6.94  | 99  | 612772  | 77.59 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.12  | 67  | 354213  | 72.64 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.31  | 132 | 507804  | 76.71 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.47  | 113 | 482458  | 75.69 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 8.93  | 128 | 221090  | 78.34 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 9.65  | 143 | 230824  | 77.17 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 513389  | 91.21 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 10.69 | 131 | 667000  | 86.70 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 13.82 | 166 | 1410500 | 87.62 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.09 | 160 | 1698933 | 83.02 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 14.59 | 143 | 250334  | 80.70 | ng/ul | 0.01 |
| 60) Fluorene-d10               | 15.39 | 176 | 1195724 | 83.88 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 205381  | 69.97 | ng/ul | 0.01 |
| 73) Anthracene-d10             | 17.23 | 188 | 1882077 | 83.98 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.52 | 212 | 2153519 | 71.27 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.40 | 264 | 2539416 | 88.52 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.32  | 88  | 79810   | 33.710 | ng/uL 97  |
| 5) Pyridine                    | 3.71  | 79  | 535620  | 81.176 | ng/ul 96  |
| 6) Benzaldehyde                | 6.92  | 77  | 267921m | 87.541 | ng/ul     |
| 8) Phenol                      | 6.97  | 94  | 643562  | 80.421 | ng/ul 99  |
| 10) Bis(2-Chloroethyl)ether    | 7.20  | 93  | 473573  | 72.576 | ng/ul 99  |
| 12) 2-Chlorophenol             | 7.35  | 128 | 534168  | 78.286 | ng/ul 98  |
| 13) 2-Methylphenol             | 8.21  | 108 | 473089  | 78.002 | ng/ul 96  |
| 14) 2,2'-oxybis(1-Chloropropan | 8.30  | 45  | 612549  | 56.822 | ng/ul 100 |
| 16) Acetophenone               | 8.60  | 105 | 776201  | 79.815 | ng/ul 100 |
| 17) N-Nitroso-di-n-propylamine | 8.59  | 70  | 403094  | 84.073 | ng/ul 98  |
| 18) 4-Methylphenol             | 8.55  | 108 | 504284  | 77.358 | ng/ul 98  |
| 19) Hexachloroethane           | 8.85  | 117 | 229450  | 78.791 | ng/ul 97  |
| 22) Nitrobenzene               | 8.97  | 77  | 604442  | 87.697 | ng/ul 96  |
| 23) Isophorone                 | 9.50  | 82  | 1060056 | 91.022 | ng/ul 98  |
| 25) 2-Nitrophenol              | 9.67  | 139 | 261401  | 79.118 | ng/ul 98  |
| 26) 2,4-Dimethylphenol         | 9.74  | 107 | 578577  | 89.579 | ng/ul 98  |
| 27) Bis(2-Chloroethoxy)methane | 9.98  | 93  | 607564  | 78.848 | ng/ul 99  |
| 29) 2,4-Dichlorophenol         | 10.20 | 162 | 504179  | 91.525 | ng/ul 99  |
| 30) Naphthalene                | 10.61 | 128 | 1609049 | 81.652 | ng/ul 100 |
| 32) 4-Chloroaniline            | 10.72 | 127 | 675056  | 89.884 | ng/ul 98  |
| 33) Hexachlorobutadiene        | 10.90 | 225 | 347406  | 96.184 | ng/ul 97  |
| 34) Caprolactam                | 11.50 | 113 | 125213m | 75.631 | ng/ul     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031921\  
 Data File : BM029165.D  
 Acq On : 19 Mar 2021 11:22  
 Operator : CG/JU  
 Sample : SSTD08011  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD080011

Manual Integrations  
 APPROVED

mohammad  
 3/22/2021 2:48:41 PM

Quant Time: Mar 19 12:31:58 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM031921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 19 10:50:26 2021  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 11.84 | 107  | 499461   | 87.692  | ng/ul  | 99       |
| 36) 2-Methylnaphthalene        | 12.22 | 142  | 1165196  | 88.449  | ng/ul  | 98       |
| 37) 1-Methylnaphthalene        | 12.44 | 142  | 1153799  | 90.947  | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 635938   | 88.643  | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene  | 12.57 | 237  | 421932   | 101.167 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol      | 12.83 | 196  | 375228   | 84.131  | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol      | 12.90 | 196  | 398816   | 82.523  | ng/ul  | 97       |
| 43) 1,1'-Biphenyl              | 13.23 | 154  | 1485430  | 81.637  | ng/ul  | 99       |
| 44) 2-Chloronaphthalene        | 13.27 | 162  | 1176186  | 81.580  | ng/ul  | 99       |
| 45) 2-Nitroaniline             | 13.47 | 65   | 323529   | 81.331  | ng/ul  | 95       |
| 47) Dimethylphthalate          | 13.86 | 163  | 1420297  | 85.000  | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene         | 13.97 | 165  | 281146   | 84.772  | ng/ul  | 99       |
| 50) Acenaphthylene             | 14.12 | 152  | 1727300  | 82.102  | ng/ul  | 99       |
| 51) 3-Nitroaniline             | 14.30 | 138  | 257751   | 81.590  | ng/ul# | 97       |
| 52) Acenaphthene               | 14.46 | 153  | 1255413  | 83.111  | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol          | 14.50 | 184  | 131734   | 66.239  | ng/ul  | 95       |
| 55) 4-Nitrophenol              | 14.61 | 109  | 227882   | 94.693  | ng/ul  | 95       |
| 56) Dibenzofuran               | 14.80 | 168  | 1734920  | 85.240  | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene         | 14.76 | 165  | 407168   | 87.456  | ng/ul  | 89       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.02 | 232  | 342733   | 87.802  | ng/ul# | 99       |
| 59) Diethylphthalate           | 15.23 | 149  | 1438937  | 86.859  | ng/ul  | 98       |
| 61) Fluorene                   | 15.44 | 166  | 1520321  | 89.705  | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenylether | 15.44 | 204  | 754293   | 91.830  | ng/ul  | 95       |
| 63) 4-Nitroaniline             | 15.46 | 138  | 260593   | 94.458  | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylphenol | 15.52 | 198  | 219494   | 69.287  | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine     | 15.66 | 169  | 1257401  | 84.077  | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether  | 16.33 | 248  | 419333   | 79.661  | ng/ul  | 97       |
| 69) Hexachlorobenzene          | 16.44 | 284  | 466204   | 77.076  | ng/ul  | 99       |
| 70) Atrazine                   | 16.61 | 200  | 477677   | 92.065  | ng/ul  | 99       |
| 71) Pentachlorophenol          | 16.79 | 266  | 281771   | 80.545  | ng/ul  | 97       |
| 72) Phenanthrene               | 17.18 | 178  | 2278810  | 82.524  | ng/ul  | 99       |
| 74) Anthracene                 | 17.27 | 178  | 2405650  | 85.697  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.20 | 216  | 626280   | 82.434  | ng/uL  | 98       |
| 76) Pentachlorobenzene         | 14.72 | 250  | 611407   | 82.835  | ng/uL  | 99       |
| 77) Carbazole                  | 17.53 | 167  | 2118317  | 87.825  | ng/ul  | 99       |
| 78) Di-n-butylphthalate        | 18.11 | 149  | 2474943  | 88.475  | ng/ul  | 99       |
| 80) Fluoranthene               | 19.19 | 202  | 2750319  | 69.312  | ng/ul  | 99       |
| 82) Pyrene                     | 19.55 | 202  | 2880840  | 70.182  | ng/ul  | 98       |
| 83) Butylbenzylphthalate       | 20.46 | 149  | 1169867  | 76.946  | ng/ul  | 93       |
| 84) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 896442   | 81.231  | ng/ul  | 99       |
| 85) Benzo(a)anthracene         | 21.29 | 228  | 2908253  | 82.600  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 1833344  | 87.842  | ng/ul  | 99       |
| 87) Chrysene                   | 21.34 | 228  | 2824150  | 81.026  | ng/ul  | 99       |
| 89) Di-n-octyl phthalate       | 22.12 | 149  | 3147008  | 82.159  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 22.87 | 252  | 3022449  | 84.166  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene       | 22.92 | 252  | 3090259  | 87.083  | ng/ul  | 99       |
| 93) Benzo(a)pyrene             | 23.45 | 252  | 2787745  | 85.675  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene     | 25.83 | 276  | 3693649  | 96.830  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene     | 25.84 | 278  | 3108659  | 96.088  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene       | 26.53 | 276  | 2972107  | 91.731  | ng/ul  | 99       |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031921\  
Data File : BM029165.D  
Acq On : 19 Mar 2021 11:22  
Operator : CG/JU  
Sample : SSTD08011  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD080011

Manual Integrations  
APPROVED

mohammad  
3/22/2021 2:48:41 PM

Quant Time: Mar 19 12:31:58 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM031921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 19 10:50:26 2021  
Response via : Initial Calibration

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

|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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

