

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\  
 Data File : BM017791.D  
 Acq On : 29 Nov 2018 09:31  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02070

Manual Integrations  
 APPROVED

mohammad  
 11/30/2018 3:48:35 PM

Quant Time: Nov 29 13:13:46 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 29 00:55:29 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 255018   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 1179586  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.23 | 164  | 737140   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 1702599  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.19 | 240  | 1833717  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.38 | 264  | 1571905  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.18  | 96  | 43671   | 7.84  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.77  | 99  | 458144  | 19.67 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 272028  | 19.37 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 369244  | 20.26 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.30  | 113 | 381054  | 20.02 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 183889  | 20.30 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 212021  | 20.42 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 410484  | 20.77 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.51 | 131 | 357711  | 21.09 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.66 | 166 | 1279260 | 20.00 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.92 | 160 | 1575475 | 20.35 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.46 | 143 | 215946  | 18.57 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.23 | 176 | 1095656 | 19.84 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.37 | 200 | 231216  | 19.00 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.09 | 188 | 1718016 | 20.27 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.39 | 212 | 1890075 | 21.30 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.24 | 264 | 1741238 | 20.42 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 45762   | 7.698  | ng/uL 94  |
| 4) Benzaldehyde                | 6.75  | 77  | 82159   | 18.918 | ng/ul 95  |
| 6) Phenol                      | 6.80  | 94  | 448313  | 19.284 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 345777  | 19.468 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 363448  | 19.962 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.03  | 108 | 353769  | 19.945 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.11  | 45  | 424242  | 20.245 | ng/ul 97  |
| 14) Acetophenone               | 8.41  | 105 | 603133  | 20.333 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.40  | 70  | 317925  | 20.550 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.36  | 108 | 388012  | 20.243 | ng/ul 99  |
| 17) Hexachloroethane           | 8.64  | 117 | 153357  | 20.774 | ng/ul 99  |
| 20) Nitrobenzene               | 8.78  | 77  | 466068  | 20.494 | ng/ul 98  |
| 21) Isophorone                 | 9.30  | 82  | 862329  | 20.383 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.49  | 139 | 220675  | 20.425 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.55  | 107 | 462334  | 20.485 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.79  | 93  | 518481  | 20.028 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.01 | 162 | 379728  | 20.349 | ng/ul 99  |
| 28) Naphthalene                | 10.40 | 128 | 1239992 | 20.176 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.53 | 127 | 369435  | 21.351 | ng/ul 95  |
| 31) Hexachlorobutadiene        | 10.68 | 225 | 251607  | 20.302 | ng/ul 97  |
| 32) Caprolactam                | 11.32 | 113 | 120846m | 19.574 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.66 | 107 | 434338  | 20.494 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 12.03 | 142 | 936848  | 20.420 | ng/ul 99  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\  
 Data File : BM017791.D  
 Acq On : 29 Nov 2018 09:31  
 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02070

Manual Integrations  
 APPROVED

mohammad  
 11/30/2018 3:48:35 PM

Quant Time: Nov 29 13:13:46 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 29 00:55:29 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216  | 492653   | 20.030 | ng/ul | 99       |
| 37) Hexachlorocyclopentadiene  | 12.37 | 237  | 298394   | 18.812 | ng/ul | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.65 | 196  | 322115   | 20.151 | ng/ul | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.73 | 196  | 348904   | 20.408 | ng/ul | 99       |
| 40) 1,1'-Biphenyl              | 13.06 | 154  | 1210879  | 19.955 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.10 | 162  | 957588   | 20.174 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.32 | 65   | 288668   | 20.884 | ng/ul | 97       |
| 44) Dimethylphthalate          | 13.70 | 163  | 1232577  | 19.891 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.83 | 165  | 259771   | 21.334 | ng/ul | 99       |
| 47) Acenaphthylene             | 13.95 | 152  | 1459964  | 20.195 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.16 | 138  | 232288   | 19.997 | ng/ul | 95       |
| 49) Acenaphthene               | 14.30 | 153  | 1050921  | 20.171 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.37 | 184  | 143125   | 17.337 | ng/ul | 97       |
| 52) 4-Nitrophenol              | 14.47 | 109  | 185135   | 19.356 | ng/ul | 98       |
| 53) Dibenzofuran               | 14.64 | 168  | 1473249  | 19.983 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.62 | 165  | 376602   | 20.427 | ng/ul | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.87 | 232  | 321749   | 20.411 | ng/ul | 100      |
| 56) Diethylphthalate           | 15.08 | 149  | 1285576  | 20.139 | ng/ul | 99       |
| 58) Fluorene                   | 15.29 | 166  | 1225240  | 19.929 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.29 | 204  | 627098   | 19.857 | ng/ul | 99       |
| 60) 4-Nitroaniline             | 15.33 | 138  | 234518   | 18.161 | ng/ul | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 198  | 239398   | 19.085 | ng/ul | 98       |
| 64) N-Nitrosodiphenylamine     | 15.51 | 169  | 1062182  | 20.263 | ng/ul | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.19 | 248  | 392029   | 20.150 | ng/ul | 95       |
| 66) Hexachlorobenzene          | 16.29 | 284  | 428978   | 19.837 | ng/ul | 94       |
| 67) Atrazine                   | 16.47 | 200  | 387192   | 19.913 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.64 | 266  | 253209   | 18.820 | ng/ul | 100      |
| 69) Phenanthrene               | 17.03 | 178  | 1960064  | 20.131 | ng/ul | 99       |
| 71) Anthracene                 | 17.12 | 178  | 2028945  | 20.376 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.02 | 216  | 487329   | 20.197 | ng/ul | 99       |
| 73) Pentachlorobenzene         | 14.55 | 250  | 496186   | 20.106 | ng/ul | 99       |
| 74) Carbazole                  | 17.40 | 167  | 1748722  | 19.931 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 17.97 | 149  | 2223937  | 20.057 | ng/ul | 99       |
| 76) Fluoranthene               | 19.06 | 202  | 2305025  | 20.127 | ng/ul | 99       |
| 79) Pvrene                     | 19.42 | 202  | 2358424  | 21.187 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.34 | 149  | 1002247  | 21.056 | ng/ul | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.12 | 252  | 742103   | 19.659 | ng/ul | 98       |
| 82) Benzo(a)anthracene         | 21.18 | 228  | 2289457  | 20.129 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 1498971  | 21.267 | ng/ul | 100      |
| 84) Chrysene                   | 21.23 | 228  | 2148830  | 20.202 | ng/ul | 99       |
| 86) Di-n-octyl phthalate       | 21.99 | 149  | 2377965  | 21.599 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.73 | 252  | 2064281  | 21.127 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.77 | 252  | 1916513  | 20.182 | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.29 | 252  | 1867282  | 20.152 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.55 | 276  | 1931300  | 19.671 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.56 | 278  | 1625685  | 19.612 | ng/ul | 100      |
| 93) Benzo(g,h,i)perylene       | 26.21 | 276  | 1564585  | 19.718 | ng/ul | 99       |

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

