

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
 Data File : BN009128.D  
 Acq On : 24 Dec 2019 16:46  
 Operator : JU  
 Sample : SSTD02053  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02053

Quant Time: Dec 24 17:20:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 24 17:18:49 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.53  | 152  | 225512   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.28 | 136  | 1043564  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.16 | 164  | 725429   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.91 | 188  | 1619442  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.12 | 240  | 1608231  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.26 | 264  | 1791740  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 39430   | 7.65  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.72  | 99  | 399717  | 17.28 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.88  | 67  | 268711  | 18.83 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.07  | 132 | 295659  | 18.32 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.23  | 113 | 325581  | 17.77 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.66  | 128 | 152137  | 18.89 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.38  | 143 | 169226  | 19.46 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.91  | 165 | 321826  | 18.58 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.42 | 131 | 407017  | 18.49 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.58 | 166 | 1056371 | 18.28 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.85 | 160 | 1265345 | 19.82 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.37 | 143 | 203608  | 17.37 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.16 | 176 | 927921  | 19.00 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.29 | 200 | 185012  | 19.77 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.00 | 188 | 1460180 | 19.05 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.31 | 212 | 1635346 | 18.23 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.12 | 264 | 1739853 | 18.61 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 42466   | 7.531  | ng/uL 100 |
| 4) Benzaldehyde                | 6.68  | 77  | 282543  | 23.036 | ng/ul 100 |
| 6) Phenol                      | 6.75  | 94  | 419065  | 17.461 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 6.97  | 93  | 329098  | 18.599 | ng/ul 100 |
| 10) 2-Chlorophenol             | 7.10  | 128 | 307371  | 18.576 | ng/ul 100 |
| 11) 2-Methylphenol             | 7.98  | 108 | 313469  | 17.583 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.06  | 45  | 716602  | 20.844 | ng/ul 100 |
| 14) Acetophenone               | 8.34  | 105 | 520319  | 18.067 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.33  | 70  | 288829  | 18.650 | ng/ul 100 |
| 16) 4-Methylphenol             | 8.30  | 108 | 350550  | 17.570 | ng/ul 100 |
| 17) Hexachloroethane           | 8.59  | 117 | 128838  | 20.093 | ng/ul 100 |
| 20) Nitrobenzene               | 8.70  | 77  | 413260  | 19.637 | ng/ul 100 |
| 21) Isophorone                 | 9.23  | 82  | 814619  | 19.135 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.41  | 139 | 184277  | 19.615 | ng/ul 100 |
| 24) 2,4-Dimethylphenol         | 9.48  | 107 | 392773  | 18.448 | ng/ul 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.72  | 93  | 490048  | 18.960 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 9.94  | 162 | 321145  | 18.906 | ng/ul 100 |
| 28) Naphthalene                | 10.33 | 128 | 1079205 | 19.209 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.45 | 127 | 407142  | 18.240 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.63 | 225 | 199516  | 21.060 | ng/ul 100 |
| 32) Caprolactam                | 11.22 | 113 | 117555  | 16.515 | ng/ul 100 |
| 33) 4-Chloro-3-methylphenol    | 11.58 | 107 | 397834  | 18.378 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 11.95 | 142 | 796102  | 18.755 | ng/ul 100 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
 Data File : BN009128.D  
 Acq On : 24 Dec 2019 16:46  
 Operator : JU  
 Sample : SSTD02053  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02053

Quant Time: Dec 24 17:20:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 24 17:18:49 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.33 | 216  | 395936   | 20.055 | ng/ul | 100      |
| 37) Hexachlorocyclopentadiene  | 12.32 | 237  | 234547   | 21.425 | ng/ul | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.58 | 196  | 266972   | 19.682 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.65 | 196  | 291253   | 19.455 | ng/ul | 100      |
| 40) 1,1'-Biphenyl              | 12.99 | 154  | 1042414  | 19.228 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.02 | 162  | 824974   | 19.868 | ng/ul | 100      |
| 42) 2-Nitroaniline             | 13.23 | 65   | 304223   | 19.665 | ng/ul | 100      |
| 44) Dimethylphthalate          | 13.63 | 163  | 1080775  | 19.151 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.74 | 165  | 218134   | 20.062 | ng/ul | 100      |
| 47) Acenaphthylene             | 13.87 | 152  | 1347076  | 20.462 | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.06 | 138  | 216671   | 18.236 | ng/ul | 100      |
| 49) Acenaphthene               | 14.22 | 153  | 890885   | 19.334 | ng/ul | 100      |
| 50) 2,4-Dinitrophenol          | 14.28 | 184  | 121335   | 18.033 | ng/ul | 100      |
| 52) 4-Nitrophenol              | 14.39 | 109  | 167637   | 18.517 | ng/ul | 100      |
| 53) Dibenzofuran               | 14.56 | 168  | 1254738  | 18.657 | ng/ul | 100      |
| 54) 2,4-Dinitrotoluene         | 14.53 | 165  | 320201   | 19.377 | ng/ul | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.79 | 232  | 255276   | 19.191 | ng/ul | 100      |
| 56) Diethylphthalate           | 15.00 | 149  | 1152649  | 20.045 | ng/ul | 100      |
| 58) Fluorene                   | 15.22 | 166  | 1070373  | 19.759 | ng/ul | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.22 | 204  | 533833   | 20.299 | ng/ul | 100      |
| 60) 4-Nitroaniline             | 15.23 | 138  | 257185   | 18.024 | ng/ul | 100      |
| 63) 4,6-Dinitro-2-methylphenol | 15.30 | 198  | 197545   | 19.638 | ng/ul | 100      |
| 64) N-Nitrosodiphenylamine     | 15.43 | 169  | 916106   | 19.236 | ng/ul | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.11 | 248  | 317641   | 19.762 | ng/ul | 100      |
| 66) Hexachlorobenzene          | 16.22 | 284  | 356495   | 20.704 | ng/ul | 100      |
| 67) Atrazine                   | 16.39 | 200  | 346048   | 20.198 | ng/ul | 100      |
| 68) Pentachlorophenol          | 16.56 | 266  | 206356   | 18.201 | ng/ul | 100      |
| 69) Phenanthrene               | 16.95 | 178  | 1710881  | 19.245 | ng/ul | 100      |
| 71) Anthracene                 | 17.04 | 178  | 1785614  | 19.757 | ng/ul | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.95 | 216  | 401138   | 20.444 | ng/uL | 100      |
| 73) Pentachlorobenzene         | 14.48 | 250  | 399991   | 19.760 | ng/uL | 100      |
| 74) Carbazole                  | 17.31 | 167  | 1575767  | 19.663 | ng/ul | 100      |
| 75) Di-n-butylphthalate        | 17.90 | 149  | 2015530  | 20.906 | ng/ul | 100      |
| 76) Fluoranthene               | 18.97 | 202  | 2086386  | 21.458 | ng/ul | 100      |
| 79) Pvrene                     | 19.34 | 202  | 2172631  | 19.286 | ng/ul | 100      |
| 80) Butylbenzylphthalate       | 20.27 | 149  | 943628   | 19.879 | ng/ul | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.04 | 252  | 740970   | 19.052 | ng/ul | 100      |
| 82) Benzo(a)anthracene         | 21.10 | 228  | 2115733  | 18.758 | ng/ul | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.06 | 149  | 1455143  | 20.550 | ng/ul | 100      |
| 84) Chrysene                   | 21.15 | 228  | 2015561  | 19.107 | ng/ul | 100      |
| 86) Di-n-octyl phthalate       | 21.92 | 149  | 2510149  | 24.528 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.62 | 252  | 2164490  | 19.454 | ng/ul | 100      |
| 88) Benzo(k)fluoranthene       | 22.66 | 252  | 2045405  | 19.474 | ng/ul | 100      |
| 90) Benzo(a)pyrene             | 23.16 | 252  | 1907829  | 17.928 | ng/ul | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.36 | 276  | 2350566  | 18.976 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.37 | 278  | 1998915  | 19.136 | ng/ul | 100      |
| 93) Benzo(g,h,i)perylene       | 25.99 | 276  | 1956031  | 18.593 | ng/ul | 100      |

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

