

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121218\  
 Data File : BN003851.D  
 Acq On : 12 Dec 2018 15:09  
 Operator : JU/SJ  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SICV07

Quant Time: Dec 12 15:49:49 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 12 15:04:47 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 19306    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.63 | 136  | 96068    | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.47 | 164  | 62384    | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.21 | 188  | 154657   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.40 | 240  | 206941   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.72 | 264  | 246767   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 2399   | 8.13  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.98  | 99  | 35201  | 18.55 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 19828  | 19.19 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.36  | 132 | 28640  | 19.26 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 29527  | 18.56 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 15233  | 20.01 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.72  | 143 | 17115  | 19.85 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165 | 31172  | 19.71 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 30759  | 20.79 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 110205 | 19.79 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 131581 | 19.91 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.66 | 143 | 21996  | 19.10 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.46 | 176 | 94325  | 19.59 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 20682  | 18.57 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.31 | 188 | 154556 | 19.78 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.60 | 212 | 181902 | 19.65 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.56 | 264 | 266513 | 19.91 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.32  | 88  | 2746   | 8.461  | ng/uL 96  |
| 4) Benzaldehyde                | 6.98  | 77  | 6373   | 19.645 | ng/ul 98  |
| 6) Phenol                      | 7.01  | 94  | 35923  | 18.751 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.26  | 93  | 26784  | 19.465 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.39  | 128 | 28680  | 19.319 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.26  | 108 | 27751  | 18.728 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.35  | 45  | 36915  | 19.512 | ng/ul 98  |
| 14) Acetophenone               | 8.65  | 105 | 46098  | 19.380 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.63  | 70  | 22490  | 19.147 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.59  | 108 | 31289  | 19.213 | ng/ul 94  |
| 17) Hexachloroethane           | 8.90  | 117 | 10810  | 20.025 | ng/ul 99  |
| 20) Nitrobenzene               | 9.04  | 77  | 33029  | 20.036 | ng/ul 100 |
| 21) Isophorone                 | 9.55  | 82  | 66239  | 19.347 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.75  | 139 | 18287  | 20.174 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 9.79  | 107 | 34595  | 19.706 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 10.03 | 93  | 40105  | 19.573 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.27 | 162 | 30323  | 19.781 | ng/ul 97  |
| 28) Naphthalene                | 10.67 | 128 | 101735 | 19.738 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.79 | 127 | 31237  | 20.792 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.94 | 225 | 17585  | 19.719 | ng/ul 99  |
| 32) Caprolactam                | 11.55 | 113 | 11841  | 19.247 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.90 | 107 | 34477  | 19.476 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.29 | 142 | 76443  | 19.692 | ng/ul 98  |

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Quant Time: Dec 12 15:49:49 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 12 15:04:47 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216  | 38292    | 19.989 | ng/ul | 96       |
| 37) Hexachlorocyclopentadiene  | 12.62 | 237  | 21900    | 18.615 | ng/ul | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.89 | 196  | 25270    | 19.593 | ng/ul | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.96 | 196  | 28401    | 19.913 | ng/ul | 99       |
| 40) 1,1'-Biphenyl              | 13.30 | 154  | 100162   | 19.750 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.35 | 162  | 78705    | 19.931 | ng/ul | 100      |
| 42) 2-Nitroaniline             | 13.56 | 65   | 21967    | 19.811 | ng/ul | 100      |
| 44) Dimethylphthalate          | 13.92 | 163  | 106836   | 19.652 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 14.05 | 165  | 22451    | 20.346 | ng/ul | 99       |
| 47) Acenaphthylene             | 14.19 | 152  | 124753   | 19.821 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.38 | 138  | 21989    | 19.598 | ng/ul | 96       |
| 49) Acenaphthene               | 14.53 | 153  | 88445    | 19.734 | ng/ul | 98       |
| 50) 2,4-Dinitrophenol          | 14.59 | 184  | 12079    | 16.889 | ng/ul | 99       |
| 52) 4-Nitrophenol              | 14.67 | 109  | 14132    | 19.439 | ng/ul | 97       |
| 53) Dibenzofuran               | 14.87 | 168  | 125226   | 19.683 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.84 | 165  | 34169    | 19.902 | ng/ul | 98       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.09 | 232  | 26168    | 19.605 | ng/ul | 99       |
| 56) Diethylphthalate           | 15.28 | 149  | 109215   | 19.649 | ng/ul | 99       |
| 58) Fluorene                   | 15.52 | 166  | 104643   | 19.754 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.50 | 204  | 51402    | 19.584 | ng/ul | 99       |
| 60) 4-Nitroaniline             | 15.55 | 138  | 27538    | 19.745 | ng/ul | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.60 | 198  | 22095    | 19.306 | ng/ul | 97       |
| 64) N-Nitrosodiphenylamine     | 15.72 | 169  | 92067    | 19.669 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.40 | 248  | 33861    | 19.475 | ng/ul | 98       |
| 66) Hexachlorobenzene          | 16.51 | 284  | 42852    | 19.700 | ng/ul | 98       |
| 67) Atrazine                   | 16.67 | 200  | 33702    | 19.754 | ng/ul | 98       |
| 68) Pentachlorophenol          | 16.86 | 266  | 22624    | 18.217 | ng/ul | 97       |
| 69) Phenanthrene               | 17.25 | 178  | 176385   | 19.739 | ng/ul | 99       |
| 71) Anthracene                 | 17.35 | 178  | 182776   | 19.954 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.26 | 216  | 38374    | 19.813 | ng/uL | 98       |
| 73) Pentachlorobenzene         | 14.78 | 250  | 43614    | 19.708 | ng/uL | 99       |
| 74) Carbazole                  | 17.62 | 167  | 168349   | 20.002 | ng/ul | 100      |
| 75) Di-n-butylphthalate        | 18.16 | 149  | 192522   | 19.407 | ng/ul | 100      |
| 76) Fluoranthene               | 19.27 | 202  | 219875   | 20.074 | ng/ul | 99       |
| 79) Pvrene                     | 19.63 | 202  | 229972   | 19.892 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.52 | 149  | 101222   | 19.595 | ng/ul | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.32 | 252  | 95186    | 19.994 | ng/ul | 100      |
| 82) Benzo(a)anthracene         | 21.38 | 228  | 255735   | 19.818 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 152507   | 19.326 | ng/ul | 98       |
| 84) Chrysene                   | 21.43 | 228  | 237626   | 19.660 | ng/ul | 100      |
| 86) Di-n-octyl phthalate       | 22.19 | 149  | 273725   | 19.738 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 23.01 | 252  | 282922   | 19.140 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 23.06 | 252  | 283044   | 20.449 | ng/ul | 98       |
| 90) Benzo(a)pyrene             | 23.62 | 252  | 282062   | 19.813 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 26.07 | 276  | 368485   | 19.857 | ng/ul | 99       |
| 92) Dibenzo(a,h)anthracene     | 26.08 | 278  | 306792   | 19.888 | ng/ul | 98       |
| 93) Benzo(g,h,i)perylene       | 26.79 | 276  | 309253   | 19.911 | ng/ul | 98       |

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

