

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020519\  
 Data File : BN004349.D  
 Acq On : 05 Feb 2019 11:59  
 Operator : JU/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Feb 05 13:38:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN010919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 09 12:45:02 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 74930    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.55 | 136  | 327454   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.39 | 164  | 190927   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 17.15 | 188  | 445212   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.34 | 240  | 503159   | 20.00 | ng/ul | -0.01    |
| 85) Perylene-d12          | 23.62 | 264  | 492195   | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 12085  | 8.08  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.91  | 99  | 121668 | 20.05 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 66231  | 20.40 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.29  | 132 | 108395 | 20.38 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.45  | 113 | 100241 | 20.23 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 48215  | 21.67 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.63  | 143 | 49765  | 21.24 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 108145 | 20.59 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.68 | 131 | 98398  | 21.16 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.80 | 166 | 329855 | 20.22 | ng/ul | -0.01 |
| 46) Acenaphthylene-d8          | 14.09 | 160 | 408631 | 20.50 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.59 | 143 | 57435  | 19.58 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.39 | 176 | 285338 | 20.31 | ng/ul | -0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 49844  | 19.50 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.24 | 188 | 442242 | 20.47 | ng/ul | -0.01 |
| 78) Pyrene-d10                 | 19.54 | 212 | 506561 | 20.44 | ng/ul | -0.01 |
| 89) Benzo(a)pyrene-d12         | 23.47 | 264 | 539394 | 20.46 | ng/ul | -0.02 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 13093  | 7.881  | ng/uL 98  |
| 4) Benzaldehyde                | 6.91  | 77  | 20778  | 20.158 | ng/ul 98  |
| 6) Phenol                      | 6.94  | 94  | 121634 | 20.304 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.19  | 93  | 93385  | 20.552 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.32  | 128 | 107380 | 20.430 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.19  | 108 | 95685  | 20.144 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.28  | 45  | 108161 | 19.647 | ng/ul 99  |
| 14) Acetophenone               | 8.58  | 105 | 152859 | 20.776 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.56  | 70  | 65549  | 20.078 | ng/ul 97  |
| 16) 4-Methylphenol             | 8.52  | 108 | 103194 | 20.497 | ng/ul 99  |
| 17) Hexachloroethane           | 8.82  | 117 | 40288  | 20.080 | ng/ul 98  |
| 20) Nitrobenzene               | 8.96  | 77  | 102581 | 21.188 | ng/ul 97  |
| 21) Isophorone                 | 9.48  | 82  | 195432 | 19.607 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.66  | 139 | 55665  | 21.386 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.72  | 107 | 116574 | 20.382 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.96  | 93  | 127759 | 20.713 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.19 | 162 | 105229 | 20.737 | ng/ul 99  |
| 28) Naphthalene                | 10.59 | 128 | 344549 | 20.216 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.70 | 127 | 99694  | 21.349 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.86 | 225 | 71864  | 20.617 | ng/ul 98  |
| 32) Caprolactam                | 11.48 | 113 | 28399  | 18.733 | ng/ul 91  |
| 33) 4-Chloro-3-methylphenol    | 11.82 | 107 | 107366 | 20.573 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.20 | 142 | 253687 | 20.565 | ng/ul 100 |

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 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Feb 05 13:38:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN010919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 09 12:45:02 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216  | 138593   | 20.675 | ng/ul | 99       |
| 37) Hexachlorocyclopentadiene  | 12.55 | 237  | 86795    | 20.951 | ng/ul | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.82 | 196  | 83207    | 20.641 | ng/ul | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.88 | 196  | 92006    | 20.950 | ng/ul | 98       |
| 40) 1,1'-Biphenyl              | 13.22 | 154  | 325640   | 20.503 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.26 | 162  | 254831   | 20.603 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.48 | 65   | 55212    | 22.290 | ng/ul | 99       |
| 44) Dimethylphthalate          | 13.86 | 163  | 321621   | 20.288 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 13.98 | 165  | 63204    | 22.412 | ng/ul | 97       |
| 47) Acenaphthylene             | 14.12 | 152  | 381200   | 20.450 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.31 | 138  | 60108    | 21.964 | ng/ul | 100      |
| 49) Acenaphthene               | 14.46 | 153  | 268009   | 20.267 | ng/ul | 100      |
| 50) 2,4-Dinitrophenol          | 14.51 | 184  | 30189    | 18.561 | ng/ul | 98       |
| 52) 4-Nitrophenol              | 14.60 | 109  | 42512    | 19.356 | ng/ul | 97       |
| 53) Dibenzofuran               | 14.79 | 168  | 380899   | 20.340 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.76 | 165  | 93319    | 22.421 | ng/ul | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.02 | 232  | 79584    | 20.274 | ng/ul | 98       |
| 56) Diethylphthalate           | 15.22 | 149  | 320476   | 19.968 | ng/ul | 100      |
| 58) Fluorene                   | 15.45 | 166  | 305651   | 20.416 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.44 | 204  | 163487   | 20.740 | ng/ul | 99       |
| 60) 4-Nitroaniline             | 15.47 | 138  | 71217    | 21.905 | ng/ul | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 198  | 52839    | 19.751 | ng/ul | 100      |
| 64) N-Nitrosodiphenylamine     | 15.66 | 169  | 268408   | 20.573 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.33 | 248  | 106901   | 21.056 | ng/ul | 98       |
| 66) Hexachlorobenzene          | 16.43 | 284  | 119669   | 20.594 | ng/ul | 96       |
| 67) Atrazine                   | 16.61 | 200  | 96416    | 19.954 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.78 | 266  | 66888    | 19.011 | ng/ul | 99       |
| 69) Phenanthrene               | 17.19 | 178  | 501669   | 20.363 | ng/ul | 99       |
| 71) Anthracene                 | 17.27 | 178  | 509123   | 20.620 | ng/ul | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.18 | 216  | 137922   | 21.077 | ng/ul | 99       |
| 73) Pentachlorobenzene         | 14.70 | 250  | 137203   | 20.867 | ng/ul | 98       |
| 74) Carbazole                  | 17.55 | 167  | 445918   | 20.788 | ng/ul | 100      |
| 75) Di-n-butylphthalate        | 18.11 | 149  | 531006   | 20.513 | ng/ul | 100      |
| 76) Fluoranthene               | 19.20 | 202  | 605339   | 20.985 | ng/ul | 99       |
| 79) Pyrene                     | 19.57 | 202  | 614588   | 20.420 | ng/ul | 100      |
| 80) Butylbenzylphthalate       | 20.47 | 149  | 239074   | 21.466 | ng/ul | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.26 | 252  | 152658   | 15.110 | ng/ul | 100      |
| 82) Benzo(a)anthracene         | 21.32 | 228  | 640389   | 20.357 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.25 | 149  | 351168   | 21.033 | ng/ul | 99       |
| 84) Chrysene                   | 21.37 | 228  | 591246   | 20.082 | ng/ul | 99       |
| 86) Di-n-octyl phthalate       | 22.14 | 149  | 594346   | 20.670 | ng/ul | 99       |
| 87) Benzo(b)fluoranthene       | 22.93 | 252  | 645126   | 21.423 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.97 | 252  | 585431   | 20.215 | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.52 | 252  | 584217   | 20.439 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.92 | 276  | 623240   | 18.887 | ng/ul | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.93 | 278  | 521208   | 19.195 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.62 | 276  | 506984   | 18.501 | ng/ul | 99       |

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

