

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091818\  
 Data File : BN002747.D  
 Acq On : 18 Sep 2018 12:00  
 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02056

Quant Time: Sep 19 01:09:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 18 02:47:57 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 142184   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.42 | 136  | 576265   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.28 | 164  | 303693   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.03 | 188  | 635251   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.24 | 240  | 608701   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.46 | 264  | 629745   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 24469  | 7.94  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 229272 | 18.99 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 145943 | 19.46 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 190601 | 19.18 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 174123 | 18.62 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 87602  | 19.62 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.51  | 143 | 98507  | 19.50 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 173880 | 19.07 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 208455 | 19.76 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.70 | 166 | 469771 | 19.76 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.97 | 160 | 616248 | 19.85 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 65718  | 16.72 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.28 | 176 | 410233 | 19.70 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 70769  | 17.81 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.13 | 188 | 597227 | 19.69 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.43 | 212 | 605009 | 18.83 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.32 | 264 | 652003 | 19.67 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 26742  | 7.761  | ng/uL 99  |
| 4) Benzaldehyde                | 6.80  | 77  | 146323 | 22.166 | ng/ul 97  |
| 6) Phenol                      | 6.86  | 94  | 233090 | 19.145 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.08  | 93  | 181995 | 19.434 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.22  | 128 | 189299 | 19.194 | ng/ul 97  |
| 11) 2-Methylphenol             | 8.09  | 108 | 168921 | 18.476 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 282508 | 19.261 | ng/ul 99  |
| 14) Acetophenone               | 8.46  | 105 | 273034 | 18.951 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.45  | 70  | 134355 | 18.556 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.42  | 108 | 181225 | 18.688 | ng/ul 100 |
| 17) Hexachloroethane           | 8.70  | 117 | 76936  | 19.404 | ng/ul 94  |
| 20) Nitrobenzene               | 8.84  | 77  | 204147 | 19.676 | ng/ul 99  |
| 21) Isophorone                 | 9.35  | 82  | 364968 | 19.066 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.55  | 139 | 103061 | 19.704 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.61  | 107 | 196472 | 19.050 | ng/ul 96  |
| 25) Bis(2-Chloroethoxy)methane | 9.84  | 93  | 231722 | 19.238 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.08 | 162 | 171469 | 19.374 | ng/ul 97  |
| 28) Naphthalene                | 10.46 | 128 | 578340 | 19.472 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.59 | 127 | 212812 | 20.148 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.75 | 225 | 110032 | 19.464 | ng/ul 95  |
| 32) Caprolactam                | 11.34 | 113 | 48509  | 17.845 | ng/ul 99  |
| 33) 4-Chloro-3-methylphenol    | 11.72 | 107 | 170023 | 18.840 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.09 | 142 | 401091 | 19.320 | ng/ul 98  |

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 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02056

Quant Time: Sep 19 01:09:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 18 02:47:57 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216  | 199703   | 19.795 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.43 | 237  | 76879    | 17.029 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.71 | 196  | 123803   | 19.235 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.79 | 196  | 125648   | 18.640 | ng/ul  | 100      |
| 40) 1,1'-Biphenyl              | 13.11 | 154  | 499520   | 19.970 | ng/ul  | 100      |
| 41) 2-Chloronaphthalene        | 13.15 | 162  | 387031   | 19.721 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.37 | 65   | 106035   | 19.458 | ng/ul  | 96       |
| 44) Dimethylphthalate          | 13.75 | 163  | 458486   | 19.761 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.87 | 165  | 93904    | 20.090 | ng/ul  | 99       |
| 47) Acenaphthylene             | 14.00 | 152  | 581673   | 19.946 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.20 | 138  | 89599    | 19.659 | ng/ul  | 98       |
| 49) Acenaphthene               | 14.35 | 153  | 405797   | 19.645 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.43 | 184  | 36544    | 14.788 | ng/ul  | 91       |
| 52) 4-Nitrophenol              | 14.53 | 109  | 44504    | 16.272 | ng/ul  | 93       |
| 53) Dibenzofuran               | 14.69 | 168  | 560532   | 19.734 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.67 | 165  | 132554   | 20.045 | ng/ul  | 98       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.92 | 232  | 103415   | 19.381 | ng/ul  | 94       |
| 56) Diethylphthalate           | 15.12 | 149  | 448633   | 19.737 | ng/ul  | 99       |
| 58) Fluorene                   | 15.34 | 166  | 451009   | 19.823 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.33 | 204  | 224828   | 19.762 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.37 | 138  | 92833    | 19.211 | ng/ul  | 98       |
| 63) 4,6-Dinitro-2-methylphenol | 15.44 | 198  | 74062    | 18.457 | ng/ul# | 91       |
| 64) N-Nitrosodiphenylamine     | 15.55 | 169  | 383767   | 19.468 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.23 | 248  | 135225   | 19.416 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.35 | 284  | 148027   | 19.457 | ng/ul  | 99       |
| 67) Atrazine                   | 16.50 | 200  | 132019   | 19.581 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.70 | 266  | 57135    | 16.124 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.07 | 178  | 682380   | 19.496 | ng/ul  | 98       |
| 71) Anthracene                 | 17.17 | 178  | 698337   | 19.678 | ng/ul  | 98       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.07 | 216  | 210771   | 19.421 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 14.61 | 250  | 185997   | 19.195 | ng/uL  | 99       |
| 74) Carbazole                  | 17.45 | 167  | 606956   | 19.930 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 18.01 | 149  | 718321   | 19.659 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.10 | 202  | 746853   | 20.003 | ng/ul  | 98       |
| 79) Pvrene                     | 19.47 | 202  | 765592   | 19.023 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.37 | 149  | 305371   | 18.234 | ng/ul  | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.16 | 252  | 239896   | 19.515 | ng/ul  | 97       |
| 82) Benzo(a)anthracene         | 21.22 | 228  | 739650   | 19.533 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 462984   | 19.043 | ng/ul  | 100      |
| 84) Chrysene                   | 21.27 | 228  | 681306   | 19.196 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.03 | 149  | 773452   | 18.581 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.80 | 252  | 716763   | 18.637 | ng/ul  | 98       |
| 88) Benzo(k)fluoranthene       | 22.84 | 252  | 713990   | 19.899 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.36 | 252  | 708208   | 19.478 | ng/ul  | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.67 | 276  | 848848   | 19.720 | ng/ul  | 98       |
| 92) Dibenzo(a,h)anthracene     | 25.67 | 278  | 704470   | 19.423 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 26.34 | 276  | 703446   | 19.549 | ng/ul  | 99       |

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

