

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080318\  
 Data File : BN002215.D  
 Acq On : 03 Aug 2018 09:17  
 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02022

Quant Time: Aug 03 15:26:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 03 15:22:46 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 250431   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 1117163  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.32 | 164  | 661392   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.07 | 188  | 1517221  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.26 | 240  | 1498586  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.49 | 264  | 1272560  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 45518   | 8.20  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.86  | 99  | 424384  | 17.99 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 283648  | 19.74 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.22  | 132 | 339158  | 18.21 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 336763  | 17.73 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 177964  | 19.23 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 174404  | 16.67 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 341927  | 18.05 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 488493  | 22.43 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 1072647 | 19.13 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.01 | 160 | 1407635 | 20.18 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.53 | 143 | 185071  | 17.28 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.32 | 176 | 978188  | 20.29 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 161954  | 16.39 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 1489622 | 20.14 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.46 | 212 | 1610781 | 20.68 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.35 | 264 | 1383706 | 20.14 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 45817   | 8.224  | ng/uL 92  |
| 4) Benzaldehyde                | 6.84  | 77  | 303784  | 21.716 | ng/ul 94  |
| 6) Phenol                      | 6.89  | 94  | 440371  | 18.594 | ng/ul 93  |
| 8) Bis(2-Chloroethyl)ether     | 7.12  | 93  | 352226  | 19.504 | ng/ul# 87 |
| 10) 2-Chlorophenol             | 7.26  | 128 | 338320  | 18.209 | ng/ul# 89 |
| 11) 2-Methylphenol             | 8.13  | 108 | 321690  | 17.661 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.21  | 45  | 589196  | 19.847 | ng/ul# 85 |
| 14) Acetophenone               | 8.50  | 105 | 573653  | 19.897 | ng/ul# 90 |
| 15) N-Nitroso-di-n-propylamine | 8.49  | 70  | 299120  | 18.933 | ng/ul# 83 |
| 16) 4-Methylphenol             | 8.45  | 108 | 358002  | 18.114 | ng/ul 99  |
| 17) Hexachloroethane           | 8.75  | 117 | 146581  | 19.959 | ng/ul 98  |
| 20) Nitrobenzene               | 8.87  | 77  | 437003  | 20.514 | ng/ul 94  |
| 21) Isophorone                 | 9.39  | 82  | 812629  | 19.065 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.58  | 139 | 187733  | 17.515 | ng/ul 91  |
| 24) 2,4-Dimethylphenol         | 9.65  | 107 | 400163  | 18.648 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.88  | 93  | 485854  | 18.935 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.11 | 162 | 334188  | 18.376 | ng/ul 96  |
| 28) Naphthalene                | 10.51 | 128 | 1190664 | 20.174 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.62 | 127 | 478433  | 22.365 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.79 | 225 | 221906  | 20.590 | ng/ul 98  |
| 32) Caprolactam                | 11.37 | 113 | 111270  | 16.461 | ng/ul# 57 |
| 33) 4-Chloro-3-methylphenol    | 11.75 | 107 | 378349  | 18.496 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.12 | 142 | 847118  | 19.678 | ng/ul 100 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080318\  
 Data File : BN002215.D  
 Acq On : 03 Aug 2018 09:17  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02022

Quant Time: Aug 03 15:26:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 03 15:22:46 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216  | 424525   | 19.795 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.47 | 237  | 233086   | 17.134 | ng/ul  | 95       |
| 38) 2,4,6-Trichlorophenol      | 12.75 | 196  | 262531   | 17.809 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.82 | 196  | 270117   | 17.346 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.15 | 154  | 1111386  | 20.191 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.19 | 162  | 864690   | 20.203 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.40 | 65   | 270476   | 19.656 | ng/ul# | 80       |
| 44) Dimethylphthalate          | 13.78 | 163  | 1062761  | 19.353 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.90 | 165  | 223346   | 19.244 | ng/ul  | 92       |
| 47) Acenaphthylene             | 14.04 | 152  | 1368587  | 20.440 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.23 | 138  | 230551   | 20.152 | ng/ul  | 93       |
| 49) Acenaphthene               | 14.38 | 153  | 941186   | 20.366 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.44 | 184  | 90829    | 13.304 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 14.55 | 109  | 141122   | 18.852 | ng/ul# | 81       |
| 53) Dibenzofuran               | 14.72 | 168  | 1328721  | 20.350 | ng/ul  | 96       |
| 54) 2,4-Dinitrotoluene         | 14.69 | 165  | 337122   | 20.027 | ng/ul# | 84       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 241181   | 17.638 | ng/ul  | 99       |
| 56) Diethylphthalate           | 15.15 | 149  | 1081434  | 19.394 | ng/ul  | 99       |
| 58) Fluorene                   | 15.37 | 166  | 1073078  | 20.586 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.37 | 204  | 527461   | 20.372 | ng/ul  | 95       |
| 60) 4-Nitroaniline             | 15.39 | 138  | 258474   | 19.515 | ng/ul  | 94       |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 171815   | 16.793 | ng/ul  | 99       |
| 64) N-Nitrosodiphenylamine     | 15.58 | 169  | 920136   | 19.828 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.26 | 248  | 325141   | 19.476 | ng/ul  | 91       |
| 66) Hexachlorobenzene          | 16.37 | 284  | 362958   | 19.646 | ng/ul  | 95       |
| 67) Atrazine                   | 16.54 | 200  | 323099   | 19.295 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.72 | 266  | 175424   | 16.693 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.11 | 178  | 1739947  | 20.420 | ng/ul  | 99       |
| 71) Anthracene                 | 17.20 | 178  | 1781965  | 20.535 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.11 | 216  | 451465   | 19.956 | ng/ul  | 99       |
| 73) Pentachlorobenzene         | 14.64 | 250  | 418469   | 19.775 | ng/ul  | 97       |
| 74) Carbazole                  | 17.47 | 167  | 1552127  | 21.145 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.04 | 149  | 1851272  | 19.074 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.13 | 202  | 1993194  | 22.043 | ng/ul  | 99       |
| 79) Pvrene                     | 19.49 | 202  | 2032622  | 21.137 | ng/ul  | 98       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 821057   | 17.976 | ng/ul  | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 617509   | 19.433 | ng/ul  | 96       |
| 82) Benzo(a)anthracene         | 21.25 | 228  | 1920039  | 20.115 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 1223440  | 18.918 | ng/ul  | 99       |
| 84) Chrysene                   | 21.30 | 228  | 1804245  | 20.281 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.07 | 149  | 2000968  | 23.941 | ng/ul# | 94       |
| 87) Benzo(b)fluoranthene       | 22.83 | 252  | 1640518  | 20.946 | ng/ul  | 100      |
| 88) Benzo(k)fluoranthene       | 22.87 | 252  | 1624679  | 21.835 | ng/ul  | 98       |
| 90) Benzo(a)pyrene             | 23.39 | 252  | 1507021  | 20.250 | ng/ul  | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.71 | 276  | 1523479  | 17.709 | ng/ul  | 97       |
| 92) Dibenzo(a,h)anthracene     | 25.72 | 278  | 1272105  | 17.669 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 26.39 | 276  | 1232992  | 17.057 | ng/ul  | 98       |

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

