

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091118\  
 Data File : BN002645.D  
 Acq On : 12 Sep 2018 01:00  
 Operator : JU/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02037

Quant Time: Sep 12 07:57:37 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 12 07:54:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 154924   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 697767   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.29 | 164  | 425022   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.05 | 188  | 988765   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.25 | 240  | 1054045  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.46 | 264  | 968468   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 24328   | 7.41  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 271611  | 19.12 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 166252  | 18.63 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 219530  | 20.29 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 219044  | 19.29 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.81  | 128 | 108054  | 19.45 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.52  | 143 | 123914  | 21.21 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 227384  | 21.19 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.58 | 131 | 268502  | 23.14 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.71 | 166 | 706945  | 20.06 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.99 | 160 | 880858  | 20.38 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 108155  | 16.24 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.29 | 176 | 615021  | 20.13 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 125121  | 19.88 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.14 | 188 | 951357  | 20.14 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.45 | 212 | 1049053 | 20.80 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.32 | 264 | 1039278 | 20.52 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        | Ovalue |           |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 28836  | 8.212  | ng/uL# 84 |
| 4) Benzaldehyde                | 6.82  | 77  | 175502 | 17.983 | ng/ul 98  |
| 6) Phenol                      | 6.88  | 94  | 274444 | 18.971 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.09  | 93  | 207666 | 18.883 | ng/ul# 87 |
| 10) 2-Chlorophenol             | 7.23  | 128 | 218299 | 20.040 | ng/ul# 90 |
| 11) 2-Methylphenol             | 8.10  | 108 | 206954 | 18.956 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 344087 | 18.892 | ng/ul# 86 |
| 14) Acetophenone               | 8.48  | 105 | 339877 | 18.720 | ng/ul# 91 |
| 15) N-Nitroso-di-n-propylamine | 8.46  | 70  | 179372 | 18.723 | ng/ul# 84 |
| 16) 4-Methylphenol             | 8.43  | 108 | 228017 | 19.197 | ng/ul 98  |
| 17) Hexachloroethane           | 8.72  | 117 | 86739  | 19.009 | ng/ul 96  |
| 20) Nitrobenzene               | 8.85  | 77  | 257488 | 19.371 | ng/ul 96  |
| 21) Isophorone                 | 9.37  | 82  | 500533 | 19.534 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.56  | 139 | 129265 | 21.055 | ng/ul# 91 |
| 24) 2,4-Dimethylphenol         | 9.62  | 107 | 257774 | 20.475 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.85  | 93  | 298661 | 19.783 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.09 | 162 | 219866 | 21.156 | ng/ul 97  |
| 28) Naphthalene                | 10.48 | 128 | 721705 | 20.103 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.60 | 127 | 271261 | 23.127 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.76 | 225 | 132022 | 20.180 | ng/ul 96  |
| 32) Caprolactam                | 11.35 | 113 | 77468  | 19.842 | ng/ul# 55 |
| 33) 4-Chloro-3-methylphenol    | 11.74 | 107 | 243726 | 20.380 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.10 | 142 | 532695 | 20.104 | ng/ul 98  |

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Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD02037

Quant Time: Sep 12 07:57:37 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 12 07:54:03 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.47 | 216  | 264213   | 20.523 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.45 | 237  | 114876   | 14.689 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.72 | 196  | 175615   | 21.185 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.80 | 196  | 187819   | 21.174 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.12 | 154  | 685027   | 20.134 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.16 | 162  | 539539   | 20.342 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.37 | 65   | 168370   | 19.932 | ng/ul  | 82       |
| 44) Dimethylphthalate          | 13.76 | 163  | 696282   | 20.150 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.88 | 165  | 145210   | 20.799 | ng/ul  | 99       |
| 47) Acenaphthylene             | 14.02 | 152  | 834151   | 20.270 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.21 | 138  | 140179   | 21.103 | ng/ul  | 94       |
| 49) Acenaphthene               | 14.36 | 153  | 581125   | 20.019 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.43 | 184  | 70828    | 16.957 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 14.54 | 109  | 78927    | 15.636 | ng/ul# | 86       |
| 53) Dibenzofuran               | 14.69 | 168  | 816715   | 19.943 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.67 | 165  | 214621   | 20.389 | ng/ul# | 83       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.93 | 232  | 155885   | 20.126 | ng/ul  | 99       |
| 56) Diethylphthalate           | 15.13 | 149  | 707317   | 20.062 | ng/ul  | 98       |
| 58) Fluorene                   | 15.35 | 166  | 677851   | 20.231 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.35 | 204  | 330732   | 20.000 | ng/ul  | 92       |
| 60) 4-Nitroaniline             | 15.38 | 138  | 150010   | 17.474 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 126661   | 19.504 | ng/ul  | 100      |
| 64) N-Nitrosodiphenylamine     | 15.56 | 169  | 591825   | 20.484 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.24 | 248  | 209047   | 20.724 | ng/ul  | 91       |
| 66) Hexachlorobenzene          | 16.36 | 284  | 233428   | 20.735 | ng/ul  | 93       |
| 67) Atrazine                   | 16.52 | 200  | 219936   | 20.821 | ng/ul  | 100      |
| 68) Pentachlorophenol          | 16.70 | 266  | 104737   | 16.621 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.09 | 178  | 1090330  | 20.003 | ng/ul  | 100      |
| 71) Anthracene                 | 17.17 | 178  | 1120682  | 20.272 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.09 | 216  | 286472   | 20.720 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 14.62 | 250  | 271973   | 20.639 | ng/uL  | 99       |
| 74) Carbazole                  | 17.45 | 167  | 1017268  | 20.750 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.02 | 149  | 1261306  | 21.163 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.11 | 202  | 1301453  | 20.978 | ng/ul  | 99       |
| 79) Pvrene                     | 19.47 | 202  | 1322210  | 20.804 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.38 | 149  | 599011   | 22.244 | ng/ul  | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.16 | 252  | 405033   | 19.282 | ng/ul  | 98       |
| 82) Benzo(a)anthracene         | 21.23 | 228  | 1304050  | 20.194 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 889911   | 22.032 | ng/ul  | 99       |
| 84) Chrysene                   | 21.28 | 228  | 1218393  | 19.935 | ng/ul  | 100      |
| 86) Di-n-octyl phthalate       | 22.04 | 149  | 1522171  | 24.732 | ng/ul# | 94       |
| 87) Benzo(b)fluoranthene       | 22.80 | 252  | 1226782  | 21.132 | ng/ul  | 98       |
| 88) Benzo(k)fluoranthene       | 22.84 | 252  | 1179054  | 21.559 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.37 | 252  | 1122622  | 20.301 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.67 | 276  | 1141754  | 17.355 | ng/ul  | 97       |
| 92) Dibenzo(a,h)anthracene     | 25.69 | 278  | 958404   | 17.426 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 26.36 | 276  | 915256   | 16.673 | ng/ul  | 97       |

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

