

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN082018\  
 Data File : BN002424.D  
 Acq On : 20 Aug 2018 16:03  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02054

Manual Integrations  
 APPROVED

Sohil  
 8/21/2018 4:47:02 PM

Quant Time: Aug 21 01:52:31 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 18 04:58:06 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 144312   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 702012   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 442966   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.05 | 188  | 1026232  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.25 | 240  | 1162312  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.47 | 264  | 1186309  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 24048   | 7.87  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 255869  | 19.34 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 168595  | 20.29 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.21  | 132 | 196930  | 19.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 207551  | 19.62 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 109470  | 19.59 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 112727  | 19.18 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 214264  | 19.84 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 226040  | 19.36 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 711773  | 19.38 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 902054  | 20.02 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 124777  | 17.98 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 623407  | 19.58 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 113732  | 17.41 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.15 | 188 | 975885  | 19.91 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.45 | 212 | 1074742 | 19.32 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.33 | 264 | 1236297 | 19.93 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.27  | 88  | 26124  | 7.987  | ng/uL 93  |
| 4) Benzaldehyde                | 6.83  | 77  | 182747 | 20.102 | ng/ul 93  |
| 6) Phenol                      | 6.88  | 94  | 263115 | 19.525 | ng/ul 93  |
| 8) Bis(2-Chloroethyl)ether     | 7.10  | 93  | 205230 | 20.034 | ng/ul# 84 |
| 10) 2-Chlorophenol             | 7.24  | 128 | 201835 | 19.891 | ng/ul# 88 |
| 11) 2-Methylphenol             | 8.12  | 108 | 198474 | 19.516 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 360993 | 21.277 | ng/ul# 84 |
| 14) Acetophenone               | 8.49  | 105 | 347028 | 20.520 | ng/ul# 90 |
| 15) N-Nitroso-di-n-propylamine | 8.48  | 70  | 182327 | 20.431 | ng/ul# 80 |
| 16) 4-Methylphenol             | 8.44  | 108 | 217965 | 19.700 | ng/ul 100 |
| 17) Hexachloroethane           | 8.73  | 117 | 84791  | 19.949 | ng/ul 95  |
| 20) Nitrobenzene               | 8.86  | 77  | 270107 | 20.198 | ng/ul 93  |
| 21) Isophorone                 | 9.38  | 82  | 518965 | 20.131 | ng/ul 96  |
| 23) 2-Nitrophenol              | 9.57  | 139 | 121771 | 19.715 | ng/ul# 85 |
| 24) 2,4-Dimethylphenol         | 9.63  | 107 | 252671 | 19.948 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.87  | 93  | 301440 | 19.847 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.10 | 162 | 210267 | 20.110 | ng/ul 98  |
| 28) Naphthalene                | 10.49 | 128 | 709614 | 19.646 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.61 | 127 | 233600 | 19.796 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.78 | 225 | 129541 | 19.681 | ng/ul 98  |
| 32) Caprolactam                | 11.36 | 113 | 75468m | 19.213 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.74 | 107 | 240567 | 19.994 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.11 | 142 | 533744 | 20.022 | ng/ul 99  |

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 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD02054

Manual Integrations  
 APPROVED

Sohil  
 8/21/2018 4:47:02 PM

Quant Time: Aug 21 01:52:31 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 18 04:58:06 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216  | 263027   | 19.603 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.46 | 237  | 138174   | 16.953 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.73 | 196  | 165102   | 19.110 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.80 | 196  | 172576   | 18.667 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.13 | 154  | 695171   | 19.604 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.17 | 162  | 545068   | 19.718 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.39 | 65   | 175625   | 19.948 | ng/ul# | 82       |
| 44) Dimethylphthalate          | 13.76 | 163  | 704571   | 19.564 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.89 | 165  | 141771   | 19.484 | ng/ul  | 88       |
| 47) Acenaphthylene             | 14.02 | 152  | 849228   | 19.801 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.22 | 138  | 131146   | 18.943 | ng/ul  | 91       |
| 49) Acenaphthene               | 14.37 | 153  | 596110   | 19.703 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.43 | 184  | 64642    | 14.849 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 14.53 | 109  | 97834    | 18.596 | ng/ul# | 87       |
| 53) Dibenzofuran               | 14.70 | 168  | 848346   | 19.876 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.68 | 165  | 217801   | 19.853 | ng/ul# | 81       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 159754   | 19.790 | ng/ul  | 98       |
| 56) Diethylphthalate           | 15.14 | 149  | 722354   | 19.659 | ng/ul  | 100      |
| 58) Fluorene                   | 15.36 | 166  | 694535   | 19.889 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.36 | 204  | 340344   | 19.747 | ng/ul  | 94       |
| 60) 4-Nitroaniline             | 15.39 | 138  | 167969   | 18.774 | ng/ul  | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 121278   | 17.993 | ng/ul  | 92       |
| 64) N-Nitrosodiphenylamine     | 15.57 | 169  | 596809   | 19.902 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.25 | 248  | 207182   | 19.789 | ng/ul  | 93       |
| 66) Hexachlorobenzene          | 16.36 | 284  | 234037   | 20.031 | ng/ul  | 96       |
| 67) Atrazine                   | 16.53 | 200  | 211225   | 19.267 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.71 | 266  | 113370   | 17.334 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.10 | 178  | 1123589  | 19.861 | ng/ul  | 100      |
| 71) Anthracene                 | 17.19 | 178  | 1154922  | 20.128 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.10 | 216  | 283856   | 19.781 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.63 | 250  | 271184   | 19.828 | ng/uL  | 98       |
| 74) Carbazole                  | 17.46 | 167  | 1032461  | 20.291 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.03 | 149  | 1222370  | 19.761 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.12 | 202  | 1312648  | 20.386 | ng/ul  | 98       |
| 79) Pyrene                     | 19.48 | 202  | 1373250  | 19.594 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 563734   | 18.984 | ng/ul  | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 394561   | 17.034 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.23 | 228  | 1387505  | 19.485 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 849918   | 19.082 | ng/ul  | 99       |
| 84) Chrysene                   | 21.29 | 228  | 1294846  | 19.213 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.05 | 149  | 1493503  | 19.810 | ng/ul# | 92       |
| 87) Benzo(b)fluoranthene       | 22.81 | 252  | 1451667  | 20.414 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.85 | 252  | 1317583  | 19.668 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.37 | 252  | 1345861  | 19.868 | ng/ul  | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.69 | 276  | 1452060  | 18.019 | ng/ul  | 97       |
| 92) Dibenzo(a,h)anthracene     | 25.70 | 278  | 1220322  | 18.113 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 26.37 | 276  | 1159902  | 17.250 | ng/ul  | 98       |

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

