

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012220\  
 Data File : BN009417.D  
 Acq On : 22 Jan 2020 11:31  
 Operator : CG/JU  
 Sample : SSTD04055  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD04055

Manual Integrations  
 APPROVED

mohammad  
 1/23/2020 1:54:49 PM

Quant Time: Jan 22 15:03:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 22 14:51:24 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.46  | 152  | 142217   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.22 | 136  | 621175   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.10 | 164  | 400538   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.85 | 188  | 857795   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.06 | 240  | 814685   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.17 | 264  | 828997   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.08  | 96  | 57691   | 16.78 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.66  | 99  | 523602  | 41.51 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.82  | 67  | 367612  | 41.06 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.00  | 132 | 392430  | 42.62 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.18  | 113 | 419115  | 41.75 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.60  | 128 | 197615  | 43.73 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.32  | 143 | 215128  | 45.40 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.85  | 165 | 405888  | 43.21 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.36 | 131 | 517820  | 45.64 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.52 | 166 | 1225416 | 41.34 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.79 | 160 | 1518295 | 43.15 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.32 | 143 | 230378  | 41.76 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.10 | 176 | 1086622 | 41.76 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 215544  | 41.49 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 16.95 | 188 | 1663179 | 41.91 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.25 | 212 | 1765154 | 40.27 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.05 | 264 | 1787740 | 42.72 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.12  | 88  | 61667   | 16.112 | ng/uL 96  |
| 4) Benzaldehyde                | 6.62  | 77  | 338817  | 49.369 | ng/ul 94  |
| 6) Phenol                      | 6.68  | 94  | 549184  | 41.566 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 6.90  | 93  | 432599  | 40.825 | ng/ul 100 |
| 10) 2-Chlorophenol             | 7.03  | 128 | 401577  | 41.920 | ng/ul 97  |
| 11) 2-Methylphenol             | 7.91  | 108 | 402557  | 41.258 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 7.99  | 45  | 1143633 | 41.077 | ng/ul 99  |
| 14) Acetophenone               | 8.28  | 105 | 675155  | 41.632 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.27  | 70  | 378936  | 43.027 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.23  | 108 | 442527  | 41.415 | ng/ul 99  |
| 17) Hexachloroethane           | 8.52  | 117 | 181096  | 40.808 | ng/ul 96  |
| 20) Nitrobenzene               | 8.65  | 77  | 561630  | 42.265 | ng/ul 100 |
| 21) Isophorone                 | 9.17  | 82  | 1023484 | 43.426 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.35  | 139 | 234898  | 45.007 | ng/ul 97  |
| 24) 2,4-Dimethylphenol         | 9.42  | 107 | 512092  | 42.759 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.65  | 93  | 609768  | 42.253 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 9.88  | 162 | 399485  | 43.416 | ng/ul 98  |
| 28) Naphthalene                | 10.26 | 128 | 1377554 | 41.210 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.38 | 127 | 528774  | 46.244 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.56 | 225 | 262917  | 41.635 | ng/ul 94  |
| 32) Caprolactam                | 11.16 | 113 | 133658m | 42.257 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.52 | 107 | 486092  | 43.537 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 11.89 | 142 | 975621  | 42.395 | ng/ul 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.26 | 216  | 484715   | 41.867 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.25 | 237  | 292853   | 41.522 | ng/ul  | 95       |
| 38) 2,4,6-Trichlorophenol      | 12.52 | 196  | 312626   | 43.686 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.59 | 196  | 335325   | 42.591 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 12.92 | 154  | 1274828  | 42.033 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 12.96 | 162  | 1002893  | 41.879 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.17 | 65   | 393042   | 44.947 | ng/ul  | 99       |
| 44) Dimethylphthalate          | 13.57 | 163  | 1254734  | 41.114 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.69 | 165  | 257312   | 44.314 | ng/ul  | 95       |
| 47) Acenaphthylene             | 13.82 | 152  | 1619482  | 42.650 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.02 | 138  | 245738   | 45.331 | ng/ul  | 98       |
| 49) Acenaphthene               | 14.16 | 153  | 1075952  | 41.535 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.23 | 184  | 140311   | 41.623 | ng/ul  | 90       |
| 52) 4-Nitrophenol              | 14.34 | 109  | 211542   | 41.426 | ng/ul  | 99       |
| 53) Dibenzofuran               | 14.50 | 168  | 1481724  | 41.169 | ng/ul  | 100      |
| 54) 2,4-Dinitrotoluene         | 14.48 | 165  | 383589   | 44.289 | ng/ul# | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.73 | 232  | 294374   | 43.756 | ng/ul# | 94       |
| 56) Diethylphthalate           | 14.95 | 149  | 1307451  | 41.891 | ng/ul  | 98       |
| 58) Fluorene                   | 15.16 | 166  | 1252903  | 41.544 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.16 | 204  | 619750   | 41.688 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.19 | 138  | 271868   | 44.183 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.25 | 198  | 229599   | 41.526 | ng/ul  | 98       |
| 64) N-Nitrosodiphenylamine     | 15.37 | 169  | 1055823  | 41.570 | ng/ul  | 96       |
| 65) 4-Bromophenyl-phenylether  | 16.05 | 248  | 356222   | 41.204 | ng/ul  | 99       |
| 66) Hexachlorobenzene          | 16.16 | 284  | 396420   | 41.334 | ng/ul  | 97       |
| 67) Atrazine                   | 16.34 | 200  | 389199   | 41.882 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.51 | 266  | 235312   | 42.210 | ng/ul  | 91       |
| 69) Phenanthrene               | 16.89 | 178  | 1979236  | 40.893 | ng/ul  | 98       |
| 71) Anthracene                 | 16.99 | 178  | 2023354  | 41.058 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.88 | 216  | 489841   | 41.696 | ng/ul  | 95       |
| 73) Pentachlorobenzene         | 14.43 | 250  | 470556   | 41.203 | ng/ul  | 97       |
| 74) Carbazole                  | 17.26 | 167  | 1736952  | 41.171 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 17.85 | 149  | 2208261  | 42.844 | ng/ul  | 99       |
| 76) Fluoranthene               | 18.92 | 202  | 2295980  | 41.381 | ng/ul  | 99       |
| 79) Pvrene                     | 19.28 | 202  | 2369376  | 40.167 | ng/ul  | 98       |
| 80) Butylbenzylphthalate       | 20.22 | 149  | 994587   | 43.688 | ng/ul  | 98       |
| 81) 3,3'-Dichlorobenzidine     | 20.99 | 252  | 748937   | 43.614 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.05 | 228  | 2216080  | 39.945 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 1522461  | 44.088 | ng/ul  | 100      |
| 84) Chrysene                   | 21.10 | 228  | 2159142  | 39.952 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 21.86 | 149  | 2513043  | 42.380 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.55 | 252  | 2235311  | 42.645 | ng/ul  | 97       |
| 88) Benzo(k)fluoranthene       | 22.60 | 252  | 2161969  | 41.947 | ng/ul  | 100      |
| 90) Benzo(a)pyrene             | 23.09 | 252  | 2054558  | 43.668 | ng/ul  | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.25 | 276  | 2440199  | 42.796 | ng/ul  | 98       |
| 92) Dibenzo(a,h)anthracene     | 25.26 | 278  | 2038833  | 42.382 | ng/ul  | 96       |
| 93) Benzo(g,h,i)perylene       | 25.88 | 276  | 1983462  | 41.821 | ng/ul  | 99       |

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

