

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121421\  
 Data File : BG051537.D  
 Acq On : 15 Dec 2021 14:58  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020590

Quant Time: Dec 15 23:24:17 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/16/2021  
 Supervised By :Yogesh Patel 12/23/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.282  | 152  | 31180    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.126 | 136  | 131116   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.915 | 164  | 99302    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.664 | 188  | 249553   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.981 | 240  | 237818   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.483 | 264  | 241675   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.606  | 96   | 5693     | 7.583  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.035  | 84   | 42958    | 18.937 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.413  | 99   | 52730    | 18.941 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.589  | 67   | 31379    | 18.960 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.806  | 132  | 38614    | 19.943 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.975  | 113  | 42233    | 19.625 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.451  | 128  | 18900    | 19.661 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.186 | 143  | 21263    | 20.234 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.732 | 165  | 46232    | 20.287 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.243 | 131  | 56079    | 18.691 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.309 | 166  | 147154   | 18.514 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.609 | 160  | 180302   | 18.266 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.073 | 143  | 23132    | 17.897 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.907 | 176  | 133384   | 18.731 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.001 | 200  | 19043    | 14.646 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.764 | 188  | 223405   | 18.767 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.031 | 212  | 272986   | 19.072 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.230 | 264  | 243704   | 19.165 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.642  | 88   | 5744     | 7.331  | ng/uL# | 90       |
| 5) Pyridine                   | 4.053  | 79   | 43728    | 19.215 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.407  | 77   | 37228    | 21.433 | ng/u1  | 96       |
| 8) Phenol                     | 7.436  | 94   | 53113    | 19.187 | ng/u1  | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.683  | 93   | 38646    | 18.299 | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 7.842  | 128  | 37066    | 18.662 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.711  | 108  | 38931    | 18.639 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.817  | 45   | 53371    | 18.631 | ng/u1# | 94       |
| 16) Acetophenone              | 9.105  | 105  | 62179    | 18.395 | ng/u1  | 93       |
| 17) N-Nitroso-di-n-propyla... | 9.087  | 70   | 37105    | 18.294 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 9.040  | 108  | 42514    | 19.312 | ng/u1  | 92       |
| 19) Hexachloroethane          | 9.393  | 117  | 15820    | 18.255 | ng/u1# | 79       |
| 22) Nitrobenzene              | 9.492  | 77   | 52986    | 18.951 | ng/u1# | 93       |
| 23) Isophorone                | 10.027 | 82   | 102122   | 18.193 | ng/u1  | 95       |
| 25) 2-Nitrophenol             | 10.221 | 139  | 22089    | 19.665 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 10.262 | 107  | 50086    | 18.507 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.503 | 93   | 54563    | 18.306 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.755 | 162  | 43054    | 19.857 | ng/u1  | 98       |
| 30) Naphthalene               | 11.172 | 128  | 128864   | 18.243 | ng/u1# | 94       |
| 32) 4-Chloroaniline           | 11.267 | 127  | 56085    | 18.306 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.466 | 225  | 32995    | 17.924 | ng/u1  | 94       |
| 34) Caprolactam               | 12.013 | 113  | 14708m   | 22.405 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.365 | 107  | 48125    | 19.809 | ng/u1  | 93       |
| 36) 2-Methylnaphthalene       | 12.764 | 142  | 92840    | 18.422 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.982 | 142  | 97055    | 18.548 | ng/ul  | 92       |
| 39) 1,2,4,5-Tetrachloroben... | 13.123 | 216  | 63938    | 18.511 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.111 | 237  | 48999    | 19.538 | ng/ul  | 93       |
| 41) 2,4,6-Trichlorophenol     | 13.352 | 196  | 40519    | 19.378 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.422 | 196  | 44880    | 20.480 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.751 | 154  | 136890   | 17.996 | ng/ul# | 95       |
| 44) 2-Chloronaphthalene       | 13.798 | 162  | 106939   | 18.185 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.980 | 65   | 36604    | 20.375 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.356 | 163  | 143806   | 18.637 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.474 | 165  | 29689    | 20.126 | ng/ul  | 89       |
| 50) Acenaphthylene            | 14.638 | 152  | 176840   | 18.310 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.803 | 138  | 30029    | 21.289 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.979 | 153  | 114091   | 17.882 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 15.003 | 184  | 13404    | 15.719 | ng/ul# | 48       |
| 55) 4-Nitrophenol             | 15.091 | 109  | 23766    | 17.138 | ng/ul  | 89       |
| 56) Dibenzofuran              | 15.314 | 168  | 171183   | 18.218 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.255 | 165  | 43533    | 20.822 | ng/ul# | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.531 | 232  | 41973    | 20.154 | ng/ul# | 86       |
| 59) Diethylphthalate          | 15.713 | 149  | 144494   | 17.976 | ng/ul  | 97       |
| 61) Fluorene                  | 15.960 | 166  | 139180   | 17.977 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.948 | 204  | 80286    | 18.618 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.954 | 138  | 28940    | 20.005 | ng/ul  | 86       |
| 66) 4,6-Dinitro-2-methylph... | 16.019 | 198  | 19442    | 15.226 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 16.154 | 169  | 124982   | 18.620 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.841 | 248  | 54383    | 21.398 | ng/ul# | 85       |
| 69) Hexachlorobenzene         | 16.971 | 284  | 61016    | 19.105 | ng/ul# | 89       |
| 70) Atrazine                  | 17.094 | 200  | 56609    | 18.795 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.305 | 266  | 38547    | 19.699 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.705 | 178  | 236421   | 18.419 | ng/ul  | 99       |
| 74) Anthracene                | 17.799 | 178  | 237248   | 18.296 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.728 | 216  | 67254    | 17.518 | ng/ul  | 97       |
| 76) Pentachlorobenzene        | 15.238 | 250  | 70507    | 19.211 | ng/ul  | 100      |
| 77) Carbazole                 | 18.057 | 167  | 215178   | 18.531 | ng/ul  | 96       |
| 78) Di-n-butylphthalate       | 18.610 | 149  | 250420   | 17.920 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.702 | 202  | 311379   | 18.953 | ng/ul# | 90       |
| 82) Pyrene                    | 20.066 | 202  | 301345   | 18.534 | ng/ul# | 87       |
| 83) Butylbenzylphthalate      | 20.942 | 149  | 103010   | 18.892 | ng/ul# | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.858 | 252  | 107073   | 19.104 | ng/ul# | 96       |
| 85) Benzo(a)anthracene        | 21.958 | 228  | 292262   | 18.889 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.852 | 149  | 143381   | 18.773 | ng/ul# | 99       |
| 87) Chrysene                  | 22.028 | 228  | 278643   | 18.641 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.168 | 149  | 240499   | 18.476 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.361 | 252  | 294165   | 18.172 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 24.437 | 252  | 280391   | 18.496 | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 25.312 | 252  | 281576   | 18.431 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.512 | 276  | 319280m  | 19.143 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.589 | 278  | 272513   | 19.130 | ng/ul# | 92       |
| 96) Benzo(g,h,i)perylene      | 30.764 | 276  | 266580   | 18.860 | ng/ul# | 88       |

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

