

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120821\  
 Data File : BG051413.D  
 Acq On : 8 Dec 2021 19:04  
 Operator : CG/JU  
 Sample : SSTD02030  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020430

Quant Time: Dec 09 02:16:27 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 09 02:14:28 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2021  
 Supervised By :Yogesh Patel 12/16/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.189  | 152  | 23514    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.015 | 136  | 104901   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.822 | 164  | 69412    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.572 | 188  | 157622   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.873 | 240  | 143719   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.274 | 264  | 141854   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.529  | 96   | 5559     | 8.215  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.964  | 84   | 38396    | 19.338 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.354  | 99   | 43825    | 18.858 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.501  | 67   | 28625    | 19.612 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.724  | 132  | 31434    | 18.784 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.911  | 113  | 34495    | 18.394 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.370  | 128  | 16789    | 18.960 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.098 | 143  | 19584    | 19.606 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.650 | 165  | 32220    | 19.011 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.162 | 131  | 45833    | 18.482 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.217 | 166  | 101551   | 19.014 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.516 | 160  | 131582   | 19.538 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.063 | 143  | 13995    | 16.188 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.809 | 176  | 91579    | 19.041 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.950 | 200  | 16809    | 17.282 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.672 | 188  | 143933   | 19.093 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.951 | 212  | 171554   | 19.728 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.034 | 264  | 142153   | 18.764 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.565  | 88   | 6194     | 8.117  | ng/uL  | 92       |
| 5) Pyridine                   | 3.988  | 79   | 40196    | 19.455 | ng/u1  | 94       |
| 6) Benzaldehyde               | 7.325  | 77   | 32702    | 22.096 | ng/u1  | 88       |
| 8) Phenol                     | 7.384  | 94   | 45625    | 18.951 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.595  | 93   | 34815    | 19.115 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.754  | 128  | 32662    | 19.153 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.641  | 108  | 33069    | 18.441 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.712  | 45   | 53790    | 20.466 | ng/u1  | 97       |
| 16) Acetophenone              | 9.023  | 105  | 55995    | 19.304 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.994  | 70   | 33520    | 20.109 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.976  | 108  | 34695    | 18.093 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.270  | 117  | 14547    | 20.195 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.411  | 77   | 47007    | 20.245 | ng/u1  | 98       |
| 23) Isophorone                | 9.928  | 82   | 90560    | 20.075 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.128 | 139  | 19266    | 18.621 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 10.180 | 107  | 41302    | 19.525 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.404 | 93   | 49363    | 19.822 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.674 | 162  | 30911    | 18.528 | ng/u1  | 97       |
| 30) Naphthalene               | 11.068 | 128  | 109454   | 19.176 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.179 | 127  | 45882    | 18.430 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.326 | 225  | 20727    | 18.012 | ng/u1  | 99       |
| 34) Caprolactam               | 11.955 | 113  | 12441    | 18.969 | ng/u1  | 95       |
| 35) 4-Chloro-3-methylphenol   | 12.307 | 107  | 37915    | 18.919 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.660 | 142  | 72380    | 18.643 | ng/u1  | 97       |

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## Instrument :

BNA\_G

## ClientSampleId :

SSTD020430

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2021

Supervised By :Yogesh Patel 12/16/2021

Quant Time: Dec 09 02:16:27 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Dec 09 02:14:28 2021

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.877 | 142  | 75147    | 18.814 | ng/ul# | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 13.024 | 216  | 41050    | 18.838 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.989 | 237  | 14262    | 16.192 | ng/ul# | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.271 | 196  | 26976    | 19.727 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.359 | 196  | 27180    | 18.980 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.653 | 154  | 100173   | 19.322 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.706 | 162  | 78424    | 19.016 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.917 | 65   | 29301    | 20.529 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.264 | 163  | 102938   | 19.041 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.405 | 165  | 21289    | 18.748 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.552 | 152  | 128498   | 19.312 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.746 | 138  | 22237    | 19.811 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.887 | 153  | 84320    | 19.215 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.975 | 184  | 7290m    | 11.614 | ng/ul  |          |
| 55) 4-Nitrophenol             | 15.081 | 109  | 15384m   | 20.513 | ng/ul  |          |
| 56) Dibenzofuran              | 15.222 | 168  | 119511   | 18.882 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.198 | 165  | 30837    | 19.013 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.457 | 232  | 21410    | 19.039 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.615 | 149  | 109686   | 19.330 | ng/ul  | 99       |
| 61) Fluorene                  | 15.868 | 166  | 96027    | 18.941 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.850 | 204  | 49794    | 18.225 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.909 | 138  | 19683    | 18.020 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.968 | 198  | 16727    | 17.832 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 16.068 | 169  | 85183    | 18.877 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.743 | 248  | 30682    | 18.162 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.873 | 284  | 30921    | 17.950 | ng/ul  | 96       |
| 70) Atrazine                  | 17.008 | 200  | 37185    | 19.608 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.237 | 266  | 10525m   | 13.789 | ng/ul  |          |
| 72) Phenanthrene              | 17.613 | 178  | 165378   | 19.003 | ng/ul  | 100      |
| 74) Anthracene                | 17.707 | 178  | 166653   | 19.281 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.629 | 216  | 42827    | 18.628 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 15.139 | 250  | 38874    | 18.147 | ng/ul  | 98       |
| 77) Carbazole                 | 17.983 | 167  | 151131   | 19.920 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.500 | 149  | 197286   | 20.167 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.616 | 202  | 207617   | 19.438 | ng/ul  | 99       |
| 82) Pyrene                    | 19.981 | 202  | 206243   | 19.740 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.838 | 149  | 88853    | 20.456 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.761 | 252  | 64474    | 19.268 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.855 | 228  | 186483   | 19.131 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.708 | 149  | 122963   | 19.673 | ng/ul  | 98       |
| 87) Chrysene                  | 21.925 | 228  | 177877   | 18.995 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.965 | 149  | 209728   | 20.408 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.182 | 252  | 182931   | 19.109 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.258 | 252  | 169078   | 18.821 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.116 | 252  | 174105   | 19.063 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.199 | 276  | 190097   | 18.600 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 29.246 | 278  | 162630   | 18.757 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.416 | 276  | 161669m  | 18.801 | ng/ul  |          |

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

