

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031822\  
 Data File : BG052715.D  
 Acq On : 18 Mar 2022 18:21  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020538

Quant Time: Mar 19 00:00:54 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031822.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 18 00:55:42 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/21/2022  
 Supervised By :Yogesh Patel 03/24/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.151  | 152  | 42654    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.965 | 136  | 173825   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.772 | 164  | 121707   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.509 | 188  | 282882   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.798 | 240  | 290990   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.117 | 264  | 304164   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.564  | 96   | 9154     | 7.581  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.981  | 84   | 55836    | 18.522 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.294  | 99   | 72521    | 18.983 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.464  | 67   | 44809    | 19.204 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.681  | 132  | 50332    | 19.403 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.845  | 113  | 53411    | 19.300 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.309  | 128  | 24521    | 19.597 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.037 | 143  | 25696    | 19.470 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.572 | 165  | 54850    | 19.104 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.089 | 131  | 71449    | 18.829 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.167 | 166  | 174025   | 18.612 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.461 | 160  | 213913   | 18.828 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.936 | 143  | 29065    | 18.489 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.759 | 176  | 154946   | 18.873 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.859 | 200  | 25924    | 18.008 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.609 | 188  | 248964   | 18.900 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.888 | 212  | 319632   | 19.635 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.888 | 264  | 300215   | 19.102 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.599  | 88   | 9353     | 6.322  | ng/uL  | 94       |
| 5) Pyridine                   | 3.998  | 79   | 59082    | 18.138 | ng/u1  | 92       |
| 6) Benzaldehyde               | 7.282  | 77   | 53718    | 21.151 | ng/u1  | 98       |
| 8) Phenol                     | 7.323  | 94   | 70915    | 19.260 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.558  | 93   | 55014    | 19.806 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.711  | 128  | 53415    | 20.154 | ng/u1  | 92       |
| 13) 2-Methylphenol            | 8.580  | 108  | 54055    | 18.890 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.680  | 45   | 90908    | 20.135 | ng/u1  | 97       |
| 16) Acetophenone              | 8.968  | 105  | 84060    | 19.470 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.950  | 70   | 47739    | 18.968 | ng/u1# | 94       |
| 18) 4-Methylphenol            | 8.909  | 108  | 56901    | 19.085 | ng/u1  | 92       |
| 19) Hexachloroethane          | 9.244  | 117  | 22817    | 19.403 | ng/u1  | 89       |
| 22) Nitrobenzene              | 9.350  | 77   | 71493    | 19.554 | ng/u1  | 97       |
| 23) Isophorone                | 9.879  | 82   | 130427   | 18.663 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.066 | 139  | 27489    | 20.086 | ng/u1  | 90       |
| 26) 2,4-Dimethylphenol        | 10.119 | 107  | 65346    | 19.269 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.354 | 93   | 71063    | 18.286 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.601 | 162  | 52735    | 18.891 | ng/u1  | 95       |
| 30) Naphthalene               | 11.018 | 128  | 166171   | 18.473 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.112 | 127  | 70529    | 18.915 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 11.306 | 225  | 42074    | 18.455 | ng/u1  | 96       |
| 34) Caprolactam               | 11.870 | 113  | 15080    | 17.936 | ng/u1# | 66       |
| 35) 4-Chloro-3-methylphenol   | 12.217 | 107  | 56958    | 18.810 | ng/u1  | 93       |
| 36) 2-Methylnaphthalene       | 12.610 | 142  | 120667   | 19.008 | ng/u1  | 98       |

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## Instrument :

BNA\_G

## ClientSampleId :

SSTD020538

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 03/21/2022

Supervised By :Yogesh Patel 03/24/2022

Quant Time: Mar 19 00:00:54 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031822.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Mar 18 00:55:42 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.827 | 142  | 119775   | 18.637 | ng/ul  | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 12.974 | 216  | 74338    | 18.479 | ng/ul# | 94       |
| 40) Hexachlorocyclopentadiene | 12.957 | 237  | 52573    | 18.877 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.203 | 196  | 45621    | 18.559 | ng/ul  | 92       |
| 42) 2,4,5-Trichlorophenol     | 13.274 | 196  | 50955    | 19.195 | ng/ul  | 87       |
| 43) 1,1'-Biphenyl             | 13.609 | 154  | 162236   | 18.654 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.650 | 162  | 131157   | 18.833 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.838 | 65   | 38605    | 18.911 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.214 | 163  | 165246   | 18.520 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.331 | 165  | 31174    | 19.287 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.490 | 152  | 204511   | 18.638 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.654 | 138  | 33442    | 20.498 | ng/ul# | 96       |
| 52) Acenaphthene              | 14.831 | 153  | 135476   | 18.899 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.854 | 184  | 21197    | 21.109 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.948 | 109  | 31425    | 18.994 | ng/ul  | 97       |
| 56) Dibenzofuran              | 15.165 | 168  | 199346   | 18.758 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.113 | 165  | 44056    | 19.210 | ng/ul# | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.383 | 232  | 46344    | 19.368 | ng/ul# | 96       |
| 59) Diethylphthalate          | 15.577 | 149  | 173491   | 19.198 | ng/ul  | 99       |
| 61) Fluorene                  | 15.812 | 166  | 161733   | 18.360 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.806 | 204  | 87597    | 18.688 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.812 | 138  | 35109    | 21.883 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.876 | 198  | 26294    | 18.668 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 16.011 | 169  | 145604   | 19.037 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.699 | 248  | 52599    | 18.779 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.822 | 284  | 70171    | 19.394 | ng/ul  | 97       |
| 70) Atrazine                  | 16.957 | 200  | 59402    | 18.951 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 17.157 | 266  | 41099m   | 18.680 | ng/ul  |          |
| 72) Phenanthrene              | 17.556 | 178  | 282411   | 19.022 | ng/ul  | 100      |
| 74) Anthracene                | 17.644 | 178  | 284478   | 19.166 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.573 | 216  | 80978    | 19.220 | ng/ul  | 94       |
| 76) Pentachlorobenzene        | 15.089 | 250  | 77812    | 19.250 | ng/ul  | 97       |
| 77) Carbazole                 | 17.903 | 167  | 255664   | 19.490 | ng/ul  | 96       |
| 78) Di-n-butylphthalate       | 18.467 | 149  | 306245   | 19.632 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.560 | 202  | 370168   | 19.296 | ng/ul  | 99       |
| 82) Pyrene                    | 19.918 | 202  | 367357   | 19.267 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.805 | 149  | 129988   | 19.608 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.686 | 252  | 132507   | 20.317 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.780 | 228  | 358427   | 19.085 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.686 | 149  | 181891   | 19.810 | ng/ul  | 99       |
| 87) Chrysene                  | 21.845 | 228  | 343917   | 19.199 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.937 | 149  | 304572   | 19.225 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.059 | 252  | 364948   | 18.581 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.130 | 252  | 342620   | 18.902 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.964 | 252  | 344434   | 18.575 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.906 | 276  | 398667   | 19.010 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.976 | 278  | 342153   | 19.196 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 30.086 | 276  | 335771   | 18.941 | ng/ul  | 97       |

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

