

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG030723\  
 Data File : BG056871.D  
 Acq On : 7 Mar 2023 14:37  
 Operator : CG/JU  
 Sample : SST08069  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD080425

## Manual Integrations

## APPROVED

Reviewed By : Christian Giraldo 03/08/2023  
 Supervised By : Jagrut Upadhyay 03/08/2023

Quant Time: Mar 07 23:27:53 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG030723.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 07 16:05:19 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.421  | 152  | 14483    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.265 | 136  | 65714    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 15.037 | 164  | 50838    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.780 | 188  | 128694   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.111 | 240  | 119446   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.671 | 264  | 131305   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.691  | 96   | 12351    | 33.072 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.132  | 84   | 98016    | 79.272 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.545  | 99   | 121677   | 81.970 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.727  | 67   | 74626    | 80.038 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.945  | 132  | 79294    | 85.353 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.120  | 113  | 93611    | 83.577 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 9.602  | 128  | 42952    | 78.805 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.330 | 143  | 54504    | 84.530 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.871 | 165  | 102144   | 81.784 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.388 | 131  | 128259   | 77.936 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.426 | 166  | 335574   | 77.170 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.737 | 160  | 381018   | 79.801 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.213 | 143  | 58447    | 79.320 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 16.024 | 176  | 307061   | 76.149 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.135 | 200  | 75129    | 80.776 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.880 | 188  | 490231   | 78.816 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.142 | 212  | 587712   | 80.779 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.436 | 264  | 577770   | 80.360 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.732  | 88   | 12798    | 30.748 | ng/uL# | 87       |
| 5) Pyridine                   | 4.149  | 79   | 104583   | 80.226 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.539  | 77   | 52783    | 67.554 | ng/u1  | 94       |
| 8) Phenol                     | 7.575  | 94   | 124915   | 82.541 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.821  | 93   | 86588    | 81.445 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.980  | 128  | 77908    | 81.620 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.850  | 108  | 91574    | 82.305 | ng/u1  | 87       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.944  | 45   | 117653   | 80.533 | ng/u1# | 95       |
| 16) Acetophenone              | 9.255  | 105  | 156906   | 81.857 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 9.237  | 70   | 91629    | 82.188 | ng/u1# | 96       |
| 18) 4-Methylphenol            | 9.185  | 108  | 100155   | 82.934 | ng/u1  | 85       |
| 19) Hexachloroethane          | 9.525  | 117  | 32957    | 83.605 | ng/u1# | 84       |
| 22) Nitrobenzene              | 9.643  | 77   | 133516   | 78.502 | ng/u1  | 94       |
| 23) Isophorone                | 10.172 | 82   | 257364   | 77.515 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.366 | 139  | 52855    | 78.404 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 10.401 | 107  | 119523   | 80.875 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.642 | 93   | 126851   | 78.487 | ng/u1  | 94       |
| 29) 2,4-Dichlorophenol        | 10.900 | 162  | 99529    | 82.658 | ng/u1  | 96       |
| 30) Naphthalene               | 11.317 | 128  | 281414   | 77.526 | ng/u1  | 96       |
| 32) 4-Chloroaniline           | 11.417 | 127  | 126931   | 78.722 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.594 | 225  | 74813    | 78.950 | ng/u1  | 98       |
| 34) Caprolactam               | 12.181 | 113  | 33894m   | 76.699 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.504 | 107  | 110711   | 79.194 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.892 | 142  | 207847   | 79.602 | ng/u1  | 95       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.109 | 142  | 203143   | 77.865 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 13.250 | 216  | 150423   | 80.072 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 13.227 | 237  | 107801   | 84.393 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.480 | 196  | 101180   | 82.708 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.556 | 196  | 111087   | 81.577 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.879 | 154  | 303053   | 79.594 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.926 | 162  | 250838   | 79.900 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 14.120 | 65   | 95550    | 82.539 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.473 | 163  | 333895   | 75.957 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.602 | 165  | 71727    | 81.143 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.766 | 152  | 379410   | 78.632 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.937 | 138  | 57283    | 71.822 | ng/ul  | 97       |
| 52) Acenaphthene              | 15.107 | 153  | 266401   | 78.939 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 15.136 | 184  | 54799    | 84.567 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 15.225 | 109  | 74620    | 78.565 | ng/ul  | 95       |
| 56) Dibenzofuran              | 15.436 | 168  | 395107   | 76.588 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.389 | 165  | 101824   | 74.719 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.653 | 232  | 104396   | 79.554 | ng/ul# | 97       |
| 59) Diethylphthalate          | 15.830 | 149  | 333204   | 74.994 | ng/ul  | 99       |
| 61) Fluorene                  | 16.082 | 166  | 316421   | 77.024 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 16.059 | 204  | 191323   | 77.626 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 16.094 | 138  | 58181    | 73.534 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 16.153 | 198  | 73939    | 83.065 | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 16.270 | 169  | 281664   | 81.499 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.958 | 248  | 134737   | 84.408 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 17.087 | 284  | 140098   | 80.907 | ng/ul  | 96       |
| 70) Atrazine                  | 17.210 | 200  | 121051   | 77.903 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.422 | 266  | 86341    | 84.591 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.827 | 178  | 555393   | 80.192 | ng/ul  | 98       |
| 74) Anthracene                | 17.916 | 178  | 553549   | 78.458 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.850 | 216  | 164637   | 89.261 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 15.354 | 250  | 165540   | 85.965 | ng/uL  | 98       |
| 77) Carbazole                 | 18.180 | 167  | 472703   | 78.950 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.703 | 149  | 536420   | 77.454 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.813 | 202  | 701531   | 80.892 | ng/ul  | 99       |
| 82) Pyrene                    | 20.178 | 202  | 687264   | 79.140 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 21.035 | 149  | 239917   | 83.301 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.987 | 252  | 219760   | 75.949 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 22.093 | 228  | 699440   | 80.100 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.946 | 149  | 339137   | 82.397 | ng/ul  | 97       |
| 87) Chrysene                  | 22.163 | 228  | 650653   | 80.409 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.274 | 149  | 573038   | 80.134 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.537 | 252  | 724894   | 80.761 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.614 | 252  | 683420   | 79.257 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 25.518 | 252  | 611632   | 79.754 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 29.802 | 276  | 850283   | 81.135 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 29.878 | 278  | 696539   | 80.528 | ng/ul# | 99       |
| 96) Benzo(g,h,i)perylene      | 31.106 | 276  | 677152   | 80.570 | ng/ul  | 95       |

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

