

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110123\  
 Data File : BG059593.D  
 Acq On : 2 Nov 2023 2:09  
 Operator : MA/JU  
 Sample : 04952-09MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EOAR8MSD

Quant Time: Nov 02 04:28:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 28 03:56:42 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/03/2023  
 Supervised By :mohammad ahmed 11/03/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.353  | 152  | 86344    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.209 | 136  | 537057   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.987 | 164  | 334248   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.736 | 188  | 726931m  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.072 | 240  | 551141   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.680 | 264  | 410932   | 20.000 | ng/u1  | #-0.01   |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.653  | 96   | 5885     | 2.550  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.088  | 84   | 49726    | 7.711  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.466  | 99   | 48559    | 5.473  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.672  | 67   | 106197   | 26.058 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.871  | 132  | 148026   | 20.564 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.041  | 113  | 93818    | 13.328 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.552  | 128  | 103651   | 27.143 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.280 | 143  | 158926   | 40.540 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.803 | 165  | 270033   | 31.264 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.344 | 131  | 384455   | 27.040 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.381 | 166  | 1025364  | 33.860 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.687 | 160  | 1188994  | 33.457 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.157 | 143  | 42937    | 8.268  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.974 | 176  | 895118   | 34.588 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.079 | 200  | 164270m  | 47.718 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.836 | 188  | 1371290  | 34.820 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.104 | 212  | 1369659  | 35.753 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.427 | 264  | 1267527  | 52.382 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.694  | 88   | 8429m    | 3.263  | ng/uL  |          |
| 5) Pyridine                   | 4.111  | 79   | 51898    | 8.159  | ng/u1# | 84       |
| 6) Benzaldehyde               | 7.501  | 77   | 122769   | 30.719 | ng/u1  | 96       |
| 8) Phenol                     | 7.501  | 94   | 56749    | 6.784  | ng/u1# | 87       |
| 10) Bis(2-Chloroethyl)ether   | 7.771  | 93   | 170186   | 27.744 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.907  | 128  | 160847   | 22.539 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.776  | 108  | 122566   | 17.577 | ng/u1  | 85       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.858  | 45   | 134252m  | 23.257 | ng/u1  |          |
| 16) Acetophenone              | 9.199  | 105  | 335344   | 30.221 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 9.164  | 70   | 142549   | 27.264 | ng/u1# | 85       |
| 18) 4-Methylphenol            | 9.111  | 108  | 110870   | 14.943 | ng/u1  | 88       |
| 19) Hexachloroethane          | 9.446  | 117  | 79162    | 27.930 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.599  | 77   | 233414   | 28.319 | ng/u1  | 97       |
| 23) Isophorone                | 10.110 | 82   | 652675   | 31.444 | ng/u1# | 91       |
| 25) 2-Nitrophenol             | 10.310 | 139  | 167284   | 39.677 | ng/u1# | 77       |
| 26) 2,4-Dimethylphenol        | 10.327 | 107  | 245667   | 22.153 | ng/u1  | 87       |
| 27) Bis(2-Chloroethoxy)met... | 10.592 | 93   | 354733   | 30.693 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.833 | 162  | 268093   | 32.084 | ng/u1  | 88       |
| 30) Naphthalene               | 11.256 | 128  | 1072364  | 32.036 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.373 | 127  | 373942   | 27.688 | ng/u1  | 89       |
| 33) Hexachlorobutadiene       | 11.485 | 225  | 154644   | 30.849 | ng/u1  | 94       |
| 34) Caprolactam               | 12.149 | 113  | 14682m   | 4.803  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.437 | 107  | 317791   | 31.874 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.836 | 142  | 790389   | 34.322 | ng/u1  | 93       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.054 | 142  | 767891   | 33.478 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 13.177 | 216  | 324715   | 33.682 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 13.130 | 237  | 154270   | 27.451 | ng/ul  | 92       |
| 41) 2,4,6-Trichlorophenol     | 13.412 | 196  | 250157   | 37.474 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.482 | 196  | 273796   | 37.884 | ng/ul# | 87       |
| 43) 1,1'-Biphenyl             | 13.823 | 154  | 1034603  | 34.216 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.876 | 162  | 799917   | 34.037 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 14.088 | 65   | 246073   | 56.274 | ng/ul  | 90       |
| 47) Dimethylphthalate         | 14.428 | 163  | 1102630  | 36.855 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.569 | 165  | 225135   | 49.884 | ng/ul# | 78       |
| 50) Acenaphthylene            | 14.716 | 152  | 1464809  | 35.774 | ng/ul  | 96       |
| 51) 3-Nitroaniline            | 14.910 | 138  | 243719   | 43.324 | ng/ul# | 80       |
| 52) Acenaphthene              | 15.051 | 153  | 943220   | 35.339 | ng/ul  | 94       |
| 53) 2,4-Dinitrophenol         | 15.098 | 184  | 129461   | 50.485 | ng/ul# | 66       |
| 55) 4-Nitrophenol             | 15.169 | 109  | 56459    | 9.865  | ng/ul  | 94       |
| 56) Dibenzofuran              | 15.380 | 168  | 1287569  | 37.210 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.345 | 165  | 342233   | 53.909 | ng/ul# | 86       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.586 | 232  | 248000   | 43.721 | ng/ul# | 92       |
| 59) Diethylphthalate          | 15.774 | 149  | 1240364  | 38.006 | ng/ul  | 98       |
| 61) Fluorene                  | 16.026 | 166  | 1119778  | 37.486 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 16.015 | 204  | 489641   | 38.354 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 16.068 | 138  | 271640m  | 45.501 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 16.097 | 198  | 185623m  | 51.162 | ng/ul  |          |
| 67) N-Nitrosodiphenylamine    | 16.226 | 169  | 967638   | 38.957 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.908 | 248  | 307496   | 42.272 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 17.002 | 284  | 341453   | 40.616 | ng/ul  | 95       |
| 70) Atrazine                  | 17.166 | 200  | 298422   | 38.772 | ng/ul  | 93       |
| 71) Pentachlorophenol         | 17.354 | 266  | 203546   | 42.382 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.783 | 178  | 1778500m | 37.634 | ng/ul  |          |
| 74) Anthracene                | 17.871 | 178  | 1788422  | 37.481 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.782 | 216  | 343166   | 35.449 | ng/uL  | 88       |
| 76) Pentachlorobenzene        | 15.274 | 250  | 350273   | 38.131 | ng/uL  | 97       |
| 77) Carbazole                 | 18.148 | 167  | 1632476  | 39.826 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.653 | 149  | 2004677  | 35.594 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.769 | 202  | 1869847  | 40.041 | ng/ul  | 98       |
| 82) Pyrene                    | 20.139 | 202  | 1838293  | 37.898 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.997 | 149  | 900958   | 41.128 | ng/ul  | 90       |
| 84) 3,3'-Dichlorobenzidine    | 21.961 | 252  | 560542   | 39.110 | ng/ul  | 93       |
| 85) Benzo(a)anthracene        | 22.049 | 228  | 1714623  | 37.804 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.890 | 149  | 1267063  | 38.763 | ng/ul  | 99       |
| 87) Chrysene                  | 22.125 | 228  | 1567464  | 37.152 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.242 | 149  | 2145107  | 59.623 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.511 | 252  | 1690661  | 56.758 | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 24.593 | 252  | 1660564m | 55.810 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 25.509 | 252  | 1557673  | 55.328 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.863 | 276  | 1453193m | 40.723 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.969 | 278  | 1209248m | 41.030 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 31.203 | 276  | 1145258  | 39.213 | ng/ul# | 93       |

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

