

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG103123\  
 Data File : BG059568.D  
 Acq On : 31 Oct 2023 19:52  
 Operator : MA/JU  
 Sample : 04950-21MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A49M0MS

Quant Time: Nov 01 04:17:45 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 11/02/2023  
 Supervised By :mohammad ahmed 11/02/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.359  | 152  | 76989    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.208 | 136  | 441801   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.986 | 164  | 262839   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.736 | 188  | 552447   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.078 | 240  | 436472   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.679 | 264  | 462065   | 20.000 | ng/u1  | #-0.01   |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.652  | 96   | 6836m    | 3.322  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.093  | 84   | 42308    | 7.358  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.471  | 99   | 44485    | 5.623  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.677  | 67   | 99692    | 27.434 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.871  | 132  | 134712   | 20.988 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.040  | 113  | 80501    | 12.825 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.551  | 128  | 88648    | 28.220 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.274 | 143  | 98573    | 30.566 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.803 | 165  | 201212   | 28.319 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.343 | 131  | 254381   | 21.749 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.381 | 166  | 760126   | 31.921 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.692 | 160  | 844623   | 30.224 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.151 | 143  | 30189    | 7.393  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.973 | 176  | 645247   | 31.707 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.079 | 200  | 120840   | 46.189 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.836 | 188  | 983164   | 32.849 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.109 | 212  | 1027030  | 33.853 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.427 | 264  | 982907   | 36.124 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.693  | 88   | 10562    | 4.586  | ng/uL# | 96       |
| 5) Pyridine                   | 4.111  | 79   | 46277    | 8.159  | ng/u1# | 85       |
| 6) Benzaldehyde               | 7.501  | 77   | 110981   | 31.144 | ng/u1  | 89       |
| 8) Phenol                     | 7.495  | 94   | 49114    | 6.585  | ng/u1# | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.771  | 93   | 159947   | 29.243 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.906  | 128  | 138683   | 21.795 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.776  | 108  | 110796   | 17.820 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.864  | 45   | 138338m  | 26.877 | ng/u1  |          |
| 16) Acetophenone              | 9.205  | 105  | 309309   | 31.262 | ng/u1  | 89       |
| 17) N-Nitroso-di-n-propyla... | 9.163  | 70   | 135607   | 29.088 | ng/u1# | 93       |
| 18) 4-Methylphenol            | 9.105  | 108  | 99460    | 15.034 | ng/u1  | 82       |
| 19) Hexachloroethane          | 9.451  | 117  | 63302    | 25.048 | ng/u1  | 90       |
| 22) Nitrobenzene              | 9.598  | 77   | 193830   | 28.587 | ng/u1  | 96       |
| 23) Isophorone                | 10.109 | 82   | 404148   | 23.669 | ng/u1# | 88       |
| 25) 2-Nitrophenol             | 10.309 | 139  | 130175   | 37.533 | ng/u1# | 80       |
| 26) 2,4-Dimethylphenol        | 10.333 | 107  | 200038   | 21.928 | ng/u1  | 89       |
| 27) Bis(2-Chloroethoxy)met... | 10.591 | 93   | 288745   | 30.370 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.826 | 162  | 200301m  | 29.139 | ng/u1  |          |
| 30) Naphthalene               | 11.261 | 128  | 814206   | 29.568 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.373 | 127  | 258176   | 23.238 | ng/u1  | 88       |
| 33) Hexachlorobutadiene       | 11.490 | 225  | 120853   | 29.306 | ng/u1  | 99       |
| 34) Caprolactam               | 12.142 | 113  | 13769m   | 5.475  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.430 | 107  | 240849   | 29.365 | ng/u1  | 87       |
| 36) 2-Methylnaphthalene       | 12.836 | 142  | 581997   | 30.722 | ng/u1  | 92       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.053 | 142  | 584249   | 30.963 | ng/ul# | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 13.176 | 216  | 255237   | 33.668 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 13.129 | 237  | 120462   | 27.259 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.411 | 196  | 189176   | 36.038 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 13.482 | 196  | 204759   | 36.029 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.823 | 154  | 782610   | 32.914 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.876 | 162  | 598930   | 32.409 | ng/ul# | 94       |
| 45) 2-Nitroaniline            | 14.087 | 65   | 173524   | 50.464 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.428 | 163  | 823748   | 35.014 | ng/ul# | 95       |
| 48) 2,6-Dinitrotoluene        | 14.569 | 165  | 165143   | 46.533 | ng/ul# | 73       |
| 50) Acenaphthylene            | 14.716 | 152  | 1053198  | 32.710 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.904 | 138  | 173238   | 39.162 | ng/ul# | 78       |
| 52) Acenaphthene              | 15.051 | 153  | 693923   | 33.062 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 15.098 | 184  | 85958    | 42.628 | ng/ul# | 73       |
| 55) 4-Nitrophenol             | 15.162 | 109  | 38290    | 8.508  | ng/ul  | 94       |
| 56) Dibenzofuran              | 15.386 | 168  | 949237   | 34.885 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.344 | 165  | 242618   | 48.601 | ng/ul# | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.585 | 232  | 177831   | 39.868 | ng/ul# | 91       |
| 59) Diethylphthalate          | 15.773 | 149  | 935276   | 36.443 | ng/ul  | 97       |
| 61) Fluorene                  | 16.032 | 166  | 802200   | 34.150 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenyle... | 16.014 | 204  | 368966   | 36.753 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 16.067 | 138  | 201025m  | 42.821 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 16.091 | 198  | 130356   | 47.277 | ng/ul# | 67       |
| 67) N-Nitrosodiphenylamine    | 16.232 | 169  | 706211   | 37.412 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.913 | 248  | 214597   | 38.819 | ng/ul  | 86       |
| 69) Hexachlorobenzene         | 17.001 | 284  | 242202   | 37.909 | ng/ul  | 96       |
| 70) Atrazine                  | 17.166 | 200  | 193355   | 33.056 | ng/ul  | 93       |
| 71) Pentachlorophenol         | 17.354 | 266  | 153762   | 42.127 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.783 | 178  | 1320365  | 36.764 | ng/ul  | 98       |
| 74) Anthracene                | 17.871 | 178  | 1288194  | 35.524 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.782 | 216  | 253371   | 34.440 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 15.274 | 250  | 253985   | 36.382 | ng/uL  | 98       |
| 77) Carbazole                 | 18.147 | 167  | 1199877  | 38.517 | ng/ul  | 96       |
| 78) Di-n-butylphthalate       | 18.658 | 149  | 1543623  | 36.064 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.775 | 202  | 1394913  | 37.719 | ng/ul# | 97       |
| 82) Pyrene                    | 20.139 | 202  | 1419173  | 36.944 | ng/ul# | 95       |
| 83) Butylbenzylphthalate      | 21.003 | 149  | 684247   | 39.441 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.960 | 252  | 281780   | 24.826 | ng/ul  | 93       |
| 85) Benzo(a)anthracene        | 22.054 | 228  | 1304203  | 36.310 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.896 | 149  | 986371   | 38.104 | ng/ul  | 97       |
| 87) Chrysene                  | 22.125 | 228  | 1208998  | 36.184 | ng/ul  | 95       |
| 89) Di-n-octyl phthalate      | 23.247 | 149  | 1687687  | 41.718 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.516 | 252  | 1303535  | 38.919 | ng/ul# | 96       |
| 91) Benzo(k)fluoranthene      | 24.592 | 252  | 1328170  | 39.699 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 25.509 | 252  | 1236540  | 39.061 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.863 | 276  | 1564061m | 38.980 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.968 | 278  | 1301489  | 39.273 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 31.208 | 276  | 1259676  | 38.358 | ng/ul  | 96       |

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

