

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062224\  
 Data File : BG061665.D  
 Acq On : 23 Jun 2024 2:02  
 Operator : MA/JU  
 Sample : PB161462BS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :

BNA\_G

ClientSampleId :

SLCS462

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/24/2024

Supervised By :mohammad  
ahmed

06/24/2024

Quant Time: Jun 23 02:44:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 21 05:03:55 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.076  | 152  | 74688    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.891 | 136  | 381405   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.704 | 164  | 255272   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.448 | 188  | 563947   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.713 | 240  | 495594   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.939 | 264  | 589670   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.464  | 96   | 11222    | 5.428  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.887  | 84   | 155235   | 24.833 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.219  | 99   | 225901   | 27.861 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.401  | 67   | 132463   | 26.207 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.606  | 132  | 157407   | 28.290 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.776  | 113  | 175560   | 28.009 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 9.246  | 128  | 77845    | 30.059 | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.963  | 143  | 97299    | 37.096 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.503 | 165  | 180025   | 28.986 | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 11.020 | 131  | 243613   | 25.908 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.111 | 166  | 562413   | 28.630 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.398 | 160  | 662104   | 30.755 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.880 | 143  | 100943   | 29.920 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.697 | 176  | 503558   | 29.281 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.803 | 200  | 85687    | 35.533 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.548 | 188  | 766366   | 29.771 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.822 | 212  | 840082   | 30.347 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.722 | 264  | 884668   | 31.412 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.505  | 88   | 24709    | 9.616  | ng/uL# | 81       |
| 5) Pyridine                   | 3.911  | 79   | 162725   | 24.216 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.213  | 77   | 90710    | 22.735 | ng/u1  | 96       |
| 8) Phenol                     | 7.248  | 94   | 273928   | 32.105 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.495  | 93   | 186860   | 29.097 | ng/u1# | 96       |
| 12) 2-Chlorophenol            | 7.636  | 128  | 178322   | 31.945 | ng/u1  | 89       |
| 13) 2-Methylphenol            | 8.511  | 108  | 191851   | 32.138 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.599  | 45   | 388525   | 29.612 | ng/u1  | 96       |
| 16) Acetophenone              | 8.905  | 105  | 307149   | 29.759 | ng/u1  | 90       |
| 17) N-Nitroso-di-n-propyla... | 8.887  | 70   | 160915   | 29.023 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.840  | 108  | 212360   | 31.753 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.163  | 117  | 72919    | 32.579 | ng/u1# | 88       |
| 22) Nitrobenzene              | 9.287  | 77   | 248544   | 33.315 | ng/u1  | 96       |
| 23) Isophorone                | 9.810  | 82   | 491302   | 28.635 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.998  | 139  | 106950   | 38.994 | ng/u1# | 75       |
| 26) 2,4-Dimethylphenol        | 10.051 | 107  | 214455   | 27.957 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.292 | 93   | 279916   | 28.840 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.527 | 162  | 192517   | 33.833 | ng/u1  | 97       |
| 30) Naphthalene               | 10.944 | 128  | 653899   | 30.641 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.044 | 127  | 235691   | 25.273 | ng/u1  | 93       |
| 33) Hexachlorobutadiene       | 11.220 | 225  | 124897   | 31.776 | ng/u1# | 92       |
| 34) Caprolactam               | 11.813 | 113  | 59537m   | 25.303 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.154 | 107  | 259009   | 32.550 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.542 | 142  | 467141   | 31.022 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.759 | 142  | 485333   | 30.206 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.900 | 216  | 256450   | 35.497 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.877 | 237  | 72318    | 16.824 | ng/ul# | 92       |
| 41) 2,4,6-Trichlorophenol     | 13.135 | 196  | 169338   | 36.330 | ng/ul  | 91       |
| 42) 2,4,5-Trichlorophenol     | 13.206 | 196  | 189582   | 37.316 | ng/ul  | 91       |
| 43) 1,1'-Biphenyl             | 13.541 | 154  | 637497   | 34.475 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.588 | 162  | 489503   | 34.463 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.782 | 65   | 199538   | 41.037 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 14.158 | 163  | 592595   | 30.379 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.275 | 165  | 130185   | 40.218 | ng/ul# | 87       |
| 50) Acenaphthylene            | 14.428 | 152  | 773243   | 32.176 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.604 | 138  | 135850   | 40.981 | ng/ul# | 95       |
| 52) Acenaphthene              | 14.769 | 153  | 533181   | 32.037 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.804 | 184  | 61439    | 37.350 | ng/ul# | 87       |
| 55) 4-Nitrophenol             | 14.898 | 109  | 115661   | 33.198 | ng/ul  | 98       |
| 56) Dibenzofuran              | 15.104 | 168  | 763350   | 32.777 | ng/ul  | 89       |
| 57) 2,4-Dinitrotoluene        | 15.062 | 165  | 185633   | 38.634 | ng/ul# | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.321 | 232  | 161741   | 32.468 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.521 | 149  | 615837   | 30.653 | ng/ul  | 96       |
| 61) Fluorene                  | 15.750 | 166  | 612862   | 31.797 | ng/ul  | 92       |
| 62) 4-Chlorophenyl-phenyle... | 15.744 | 204  | 305961   | 31.977 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.762 | 138  | 140563   | 40.025 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.820 | 198  | 97543    | 35.711 | ng/ul# | 87       |
| 67) N-Nitrosodiphenylamine    | 15.955 | 169  | 516479   | 35.415 | ng/ul  | 93       |
| 68) 4-Bromophenyl-phenylether | 16.637 | 248  | 207015   | 35.652 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.743 | 284  | 240393   | 34.115 | ng/ul  | 96       |
| 70) Atrazine                  | 16.901 | 200  | 157533   | 27.044 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 17.084 | 266  | 145052m  | 33.792 | ng/ul  |          |
| 72) Phenanthrene              | 17.489 | 178  | 954977   | 32.188 | ng/ul  | 99       |
| 74) Anthracene                | 17.583 | 178  | 964729   | 31.798 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.505 | 216  | 269696   | 42.924 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 15.015 | 250  | 254703   | 33.756 | ng/uL  | 91       |
| 77) Carbazole                 | 17.847 | 167  | 876302   | 34.017 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.411 | 149  | 1030326  | 33.441 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.493 | 202  | 1071814  | 33.369 | ng/ul  | 99       |
| 82) Pyrene                    | 19.851 | 202  | 1139937  | 33.377 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.744 | 149  | 460479   | 37.030 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.602 | 252  | 412738   | 39.387 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.690 | 228  | 1139513  | 32.756 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.614 | 149  | 660805   | 36.151 | ng/ul  | 99       |
| 87) Chrysene                  | 21.755 | 228  | 1077394  | 32.730 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.842 | 149  | 1177975  | 37.876 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.917 | 252  | 1183723  | 33.394 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.981 | 252  | 1219201m | 33.444 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.786 | 252  | 1047338  | 30.691 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.629 | 276  | 1451984m | 34.145 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.693 | 278  | 1223357m | 34.597 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.769 | 276  | 1061689m | 30.972 | ng/ul  |          |

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

