

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092023\  
 Data File : BG059137.D  
 Acq On : 21 Sep 2023 10:27  
 Operator : MA/JU  
 Sample : PB155513BS  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS513

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/22/2023  
 Supervised By :mohammad ahmed 09/22/2023

Quant Time: Sep 22 01:24:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091923.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 20 04:25:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.293  | 152  | 42709    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.143 | 136  | 198649   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.926 | 164  | 131825   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.676 | 188  | 292288   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.000 | 240  | 242851   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.555 | 264  | 284473   | 20.000 | ng/u1  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.604  | 96   | 7005     | 6.420  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.039  | 84   | 114203   | 35.677 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.412  | 99   | 169891   | 40.455 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.617  | 67   | 98874    | 38.366 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.811  | 132  | 122143   | 39.413 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.986  | 113  | 129753   | 38.795 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.497  | 128  | 65815    | 42.936 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.214 | 143  | 70402    | 45.465 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.743 | 165  | 132348   | 45.019 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.284 | 131  | 182807   | 39.841 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.327 | 166  | 418166   | 41.246 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.633 | 160  | 493911   | 40.010 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.109 | 143  | 81515    | 44.069 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.919 | 176  | 382577   | 41.225 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.031 | 200  | 80448    | 48.412 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.782 | 188  | 561569   | 42.225 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.050 | 212  | 610347   | 42.999 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.302 | 264  | 608869   | 43.833 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.646  | 88   | 15681    | 12.710 | ng/uL# | 73       |
| 5) Pyridine                   | 4.057  | 79   | 111366   | 34.142 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.441  | 77   | 79144    | 36.346 | ng/u1  | 96       |
| 8) Phenol                     | 7.441  | 94   | 181021   | 41.938 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.711  | 93   | 139093   | 40.136 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.846  | 128  | 130910   | 41.402 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.716  | 108  | 132733   | 41.436 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.816  | 45   | 290723   | 40.405 | ng/u1  | 98       |
| 16) Acetophenone              | 9.145  | 105  | 211076   | 40.993 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 9.110  | 70   | 106921   | 41.076 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 9.057  | 108  | 146399   | 42.646 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.380  | 117  | 52073    | 41.888 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.544  | 77   | 154669   | 44.558 | ng/u1  | 90       |
| 23) Isophorone                | 10.050 | 82   | 330707   | 44.429 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.250 | 139  | 78310    | 45.253 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 10.273 | 107  | 118150   | 36.518 | ng/u1  | 91       |
| 27) Bis(2-Chloroethoxy)met... | 10.532 | 93   | 206366   | 44.563 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.767 | 162  | 136638   | 45.979 | ng/u1  | 95       |
| 30) Naphthalene               | 11.195 | 128  | 470873   | 44.297 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.313 | 127  | 149863   | 33.180 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.425 | 225  | 83332    | 43.566 | ng/u1# | 87       |
| 34) Caprolactam               | 12.106 | 113  | 52317m   | 48.072 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.382 | 107  | 150598   | 48.111 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.776 | 142  | 312027   | 43.951 | ng/u1  | 98       |

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| 37) 1-Methylnaphthalene       | 12.993 | 142  | 308257   | 42.983 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 13.117 | 216  | 165230   | 42.754 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 13.070 | 237  | 82774    | 33.595 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.358 | 196  | 101333   | 40.153 | ng/ul  | 91       |
| 42) 2,4,5-Trichlorophenol     | 13.428 | 196  | 117843   | 43.169 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.769 | 154  | 464326   | 44.128 | ng/ul  | 95       |
| 44) 2-Chloronaphthalene       | 13.822 | 162  | 345282   | 42.977 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 14.039 | 65   | 121058   | 47.535 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.374 | 163  | 452039   | 43.654 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.521 | 165  | 93455    | 48.839 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.662 | 152  | 538384   | 40.832 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.856 | 138  | 100455   | 47.578 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.991 | 153  | 384176   | 42.965 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 15.050 | 184  | 60772    | 52.708 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 15.126 | 109  | 55886    | 45.716 | ng/ul  | 91       |
| 56) Dibenzofuran              | 15.326 | 168  | 525981   | 44.349 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.291 | 165  | 132551   | 48.048 | ng/ul# | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.532 | 232  | 98933    | 39.153 | ng/ul# | 86       |
| 59) Diethylphthalate          | 15.720 | 149  | 445825   | 43.692 | ng/ul  | 99       |
| 61) Fluorene                  | 15.972 | 166  | 440765   | 43.524 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.955 | 204  | 224333   | 44.633 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 16.025 | 138  | 100536   | 51.368 | ng/ul# | 81       |
| 66) 4,6-Dinitro-2-methylph... | 16.043 | 198  | 86879    | 48.507 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 16.178 | 169  | 367250   | 47.193 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.854 | 248  | 136455   | 47.984 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.942 | 284  | 149612   | 45.931 | ng/ul  | 97       |
| 70) Atrazine                  | 17.106 | 200  | 9291     | 3.001  | ng/ul# | 80       |
| 71) Pentachlorophenol         | 17.300 | 266  | 78746    | 37.218 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.723 | 178  | 751438   | 45.940 | ng/ul  | 98       |
| 74) Anthracene                | 17.817 | 178  | 741801   | 44.384 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.728 | 216  | 17029    | 4.370  | ng/uL  | 89       |
| 76) Pentachlorobenzene        | 15.220 | 250  | 171776   | 47.658 | ng/uL  | 98       |
| 77) Carbazole                 | 18.087 | 167  | 648051   | 46.639 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.593 | 149  | 785369   | 45.881 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.715 | 202  | 824227   | 46.597 | ng/ul  | 99       |
| 82) Pyrene                    | 20.079 | 202  | 844166   | 45.752 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.937 | 149  | 315962   | 47.409 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.889 | 252  | 273437   | 46.594 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.983 | 228  | 789574   | 44.782 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.812 | 149  | 478257   | 47.963 | ng/ul  | 99       |
| 87) Chrysene                  | 22.053 | 228  | 755640   | 45.955 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.134 | 149  | 828991   | 47.665 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.398 | 252  | 838093   | 48.349 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.480 | 252  | 834813   | 46.449 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 25.391 | 252  | 743851   | 44.650 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.674 | 276  | 900266m  | 47.515 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.756 | 278  | 750468   | 49.288 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 30.978 | 276  | 735823   | 48.211 | ng/ul  | 99       |

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

