

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092823\  
 Data File : BG059243.D  
 Acq On : 29 Sep 2023 11:59  
 Operator : MA/JU  
 Sample : PB155826BS  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS826

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/03/2023  
 Supervised By :mohammad ahmed 10/03/2023

Quant Time: Sep 30 02:41:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 28 04:33:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.232  | 152  | 52786    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.076 | 136  | 249582   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.865 | 164  | 157089   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.615 | 188  | 344205   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.916 | 240  | 307581   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.394 | 264  | 354760   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.526  | 96   | 8648m    | 6.183  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.960  | 84   | 128566   | 31.505 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.362  | 99   | 199778   | 37.810 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.550  | 67   | 118380   | 35.072 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.750  | 132  | 143394   | 40.372 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.931  | 113  | 147957   | 36.225 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.431  | 128  | 75127    | 42.657 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.147 | 143  | 78054    | 45.145 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.676 | 165  | 147656   | 41.573 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.223 | 131  | 207247   | 36.065 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.260 | 166  | 442303   | 38.944 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.572 | 160  | 534468   | 37.492 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.059 | 143  | 81269    | 40.976 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.852 | 176  | 403295   | 37.308 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.970 | 200  | 77674    | 43.901 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.715 | 188  | 584719   | 37.282 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.989 | 212  | 678915   | 39.415 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.153 | 264  | 673452   | 39.503 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.567  | 88   | 18856    | 11.475 | ng/uL  | 84       |
| 5) Pyridine                   | 3.984  | 79   | 130092   | 31.393 | ng/u1# | 87       |
| 6) Benzaldehyde               | 7.380  | 77   | 102175   | 44.034 | ng/u1  | 90       |
| 8) Phenol                     | 7.386  | 94   | 202419   | 38.511 | ng/u1# | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.650  | 93   | 158926   | 36.867 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.780  | 128  | 150079   | 40.075 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.661  | 108  | 145636   | 36.673 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.743  | 45   | 334051   | 35.053 | ng/u1  | 99       |
| 16) Acetophenone              | 9.078  | 105  | 231836   | 36.650 | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 9.043  | 70   | 115038   | 35.852 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.996  | 108  | 152427   | 36.226 | ng/u1  | 92       |
| 19) Hexachloroethane          | 9.313  | 117  | 57890    | 39.239 | ng/u1  | 92       |
| 22) Nitrobenzene              | 9.478  | 77   | 171592   | 39.469 | ng/u1  | 93       |
| 23) Isophorone                | 9.983  | 82   | 355518   | 38.027 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.183 | 139  | 85269    | 44.760 | ng/u1# | 85       |
| 26) 2,4-Dimethylphenol        | 10.206 | 107  | 116570   | 28.618 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.465 | 93   | 228736   | 38.776 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.706 | 162  | 146975   | 41.629 | ng/u1  | 97       |
| 30) Naphthalene               | 11.129 | 128  | 513955   | 38.407 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.246 | 127  | 192285   | 34.992 | ng/u1  | 92       |
| 33) Hexachlorobutadiene       | 11.352 | 225  | 90726    | 38.396 | ng/u1  | 96       |
| 34) Caprolactam               | 12.033 | 113  | 49770m   | 40.741 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.327 | 107  | 153855   | 40.843 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.709 | 142  | 342133   | 39.028 | ng/u1  | 98       |

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| 37) 1-Methylnaphthalene       | 12.926 | 142  | 335073   | 37.659 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 13.050 | 216  | 174375   | 37.077 | ng/ul  | 95       |
| 40) Hexachlorocyclopentadiene | 13.003 | 237  | 86450    | 29.799 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.302 | 196  | 115541   | 40.127 | ng/ul  | 92       |
| 42) 2,4,5-Trichlorophenol     | 13.367 | 196  | 126413   | 41.840 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.702 | 154  | 479447   | 37.791 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.755 | 162  | 370029   | 38.739 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.978 | 65   | 119618   | 44.396 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.307 | 163  | 461266   | 39.651 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.454 | 165  | 93521    | 47.267 | ng/ul# | 94       |
| 50) Acenaphthylene            | 14.601 | 152  | 587166   | 38.587 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.795 | 138  | 100465   | 47.036 | ng/ul# | 95       |
| 52) Acenaphthene              | 14.930 | 153  | 398755   | 38.178 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.989 | 184  | 44684    | 40.627 | ng/ul# | 82       |
| 55) 4-Nitrophenol             | 15.077 | 109  | 56380    | 40.299 | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.265 | 168  | 535277   | 38.663 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.236 | 165  | 132620   | 45.268 | ng/ul  | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.471 | 232  | 111967   | 40.936 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.659 | 149  | 447065   | 39.753 | ng/ul  | 98       |
| 61) Fluorene                  | 15.911 | 166  | 455799   | 39.209 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.894 | 204  | 229316   | 39.572 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.958 | 138  | 98531    | 50.127 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.982 | 198  | 87221    | 46.754 | ng/ul# | 88       |
| 67) N-Nitrosodiphenylamine    | 16.111 | 169  | 362946   | 39.557 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.793 | 248  | 136064   | 40.804 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.881 | 284  | 153239   | 40.677 | ng/ul  | 94       |
| 70) Atrazine                  | 17.051 | 200  | 126618   | 36.293 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 17.239 | 266  | 90483    | 41.733 | ng/ul  | 92       |
| 72) Phenanthrene              | 17.656 | 178  | 759519   | 40.208 | ng/ul  | 99       |
| 74) Anthracene                | 17.750 | 178  | 750450   | 38.475 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.661 | 216  | 179264   | 39.521 | ng/ul  | 96       |
| 76) Pentachlorobenzene        | 15.159 | 250  | 164044   | 36.627 | ng/ul  | 98       |
| 77) Carbazole                 | 18.026 | 167  | 655400   | 41.228 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.532 | 149  | 793627   | 42.114 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.654 | 202  | 871577   | 41.075 | ng/ul  | 100      |
| 82) Pyrene                    | 20.018 | 202  | 903344   | 40.192 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.870 | 149  | 344592   | 43.476 | ng/ul  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.810 | 252  | 294733   | 41.377 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.892 | 228  | 869783   | 40.171 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.728 | 149  | 505019   | 41.961 | ng/ul  | 97       |
| 87) Chrysene                  | 21.969 | 228  | 795620   | 38.906 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.020 | 149  | 863657   | 41.859 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.272 | 252  | 868154   | 39.955 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.348 | 252  | 892656   | 40.545 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.236 | 252  | 830403   | 40.286 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.425 | 276  | 940241m  | 40.296 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.507 | 278  | 763336   | 40.229 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 30.700 | 276  | 756377   | 39.868 | ng/ul  | 96       |

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

