

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102823\  
 Data File : BG059543.D  
 Acq On : 29 Oct 2023 6:17  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020461

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/31/2023  
 Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 03:38:17 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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.365  | 152  | 70658    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.209 | 136  | 333373   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.992 | 164  | 219722   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.742 | 188  | 484667m  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 22.078 | 240  | 366179   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 25.692 | 264  | 398510   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.659  | 96   | 13830    | 7.323  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.093  | 84   | 97686    | 18.510 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.472  | 99   | 147887   | 20.368 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.678  | 67   | 64850    | 19.445 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.877  | 132  | 115483   | 19.605 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.046  | 113  | 131607   | 22.846 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.564  | 128  | 55475    | 23.403 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.280 | 143  | 67228    | 27.627 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.803 | 165  | 117632   | 21.941 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.350 | 131  | 191329   | 21.679 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.387 | 166  | 384475   | 19.314 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.693 | 160  | 461861   | 19.770 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.157 | 143  | 81785    | 23.958 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.980 | 176  | 330935   | 19.453 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.079 | 200  | 52740m   | 22.978 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.842 | 188  | 527490   | 20.089 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 20.110 | 212  | 530886   | 20.858 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.427 | 264  | 478901   | 20.408 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) 1,4-Dioxane                | 3.694  | 88   | 14766    | 6.986  | ng/uL  | 95       |
| 5) Pyridine                   | 4.111  | 79   | 90677    | 17.419 | ng/ul  | 91       |
| 6) Benzaldehyde               | 7.501  | 77   | 76919    | 23.519 | ng/ul  | 93       |
| 8) Phenol                     | 7.495  | 94   | 141155   | 20.621 | ng/ul  | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.777  | 93   | 96326    | 19.189 | ng/ul  | 93       |
| 12) 2-Chlorophenol            | 7.907  | 128  | 120590   | 20.650 | ng/ul  | 95       |
| 13) 2-Methylphenol            | 8.782  | 108  | 123944   | 21.720 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.870  | 45   | 86992    | 18.415 | ng/ul  | 99       |
| 16) Acetophenone              | 9.205  | 105  | 188008   | 20.705 | ng/ul# | 96       |
| 17) N-Nitroso-di-n-propyla... | 9.170  | 70   | 79958    | 18.688 | ng/ul# | 91       |
| 18) 4-Methylphenol            | 9.111  | 108  | 134398   | 22.136 | ng/ul  | 93       |
| 19) Hexachloroethane          | 9.446  | 117  | 50131    | 21.614 | ng/ul  | 87       |
| 22) Nitrobenzene              | 9.599  | 77   | 124716   | 24.376 | ng/ul  | 92       |
| 23) Isophorone                | 10.116 | 82   | 248092   | 19.255 | ng/ul# | 92       |
| 25) 2-Nitrophenol             | 10.316 | 139  | 69950    | 26.728 | ng/ul# | 88       |
| 26) 2,4-Dimethylphenol        | 10.333 | 107  | 152589   | 22.167 | ng/ul# | 91       |
| 27) Bis(2-Chloroethoxy)met... | 10.598 | 93   | 140295   | 19.555 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.833 | 162  | 114018   | 21.982 | ng/ul# | 87       |
| 30) Naphthalene               | 11.262 | 128  | 426504   | 20.526 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 11.379 | 127  | 178435   | 21.284 | ng/ul  | 89       |
| 33) Hexachlorobutadiene       | 11.491 | 225  | 66180    | 21.268 | ng/ul  | 92       |
| 34) Caprolactam               | 12.149 | 113  | 41677m   | 21.964 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.443 | 107  | 143940   | 23.258 | ng/ul  | 91       |
| 36) 2-Methylnaphthalene       | 12.842 | 142  | 294262   | 20.585 | ng/ul  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.054 | 142  | 302591   | 21.252 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.183 | 216  | 126382   | 19.942 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 13.136 | 237  | 66660    | 18.044 | ng/ul# | 80       |
| 41) 2,4,6-Trichlorophenol     | 13.418 | 196  | 96176    | 21.917 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.482 | 196  | 104129   | 21.918 | ng/ul  | 92       |
| 43) 1,1'-Biphenyl             | 13.829 | 154  | 386043   | 19.422 | ng/ul# | 89       |
| 44) 2-Chloronaphthalene       | 13.882 | 162  | 303511   | 19.646 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 14.088 | 65   | 83343    | 28.994 | ng/ul  | 85       |
| 47) Dimethylphthalate         | 14.434 | 163  | 379661   | 19.304 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.569 | 165  | 73877    | 24.902 | ng/ul# | 78       |
| 50) Acenaphthylene            | 14.722 | 152  | 524807   | 19.498 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.910 | 138  | 89568    | 24.221 | ng/ul# | 84       |
| 52) Acenaphthene              | 15.051 | 153  | 336809   | 19.197 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 15.104 | 184  | 38341    | 22.745 | ng/ul# | 81       |
| 55) 4-Nitrophenol             | 15.169 | 109  | 94869    | 25.218 | ng/ul  | 89       |
| 56) Dibenzofuran              | 15.386 | 168  | 449341   | 19.754 | ng/ul  | 90       |
| 57) 2,4-Dinitrotoluene        | 15.345 | 165  | 106058   | 25.414 | ng/ul# | 81       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.592 | 232  | 84063    | 22.544 | ng/ul# | 88       |
| 59) Diethylphthalate          | 15.780 | 149  | 411547   | 19.183 | ng/ul  | 97       |
| 61) Fluorene                  | 16.032 | 166  | 387923   | 19.755 | ng/ul  | 93       |
| 62) 4-Chlorophenyl-phenyle... | 16.015 | 204  | 169432   | 20.189 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 16.068 | 138  | 97703    | 24.896 | ng/ul# | 88       |
| 66) 4,6-Dinitro-2-methylph... | 16.091 | 198  | 56664    | 23.425 | ng/ul# | 71       |
| 67) N-Nitrosodiphenylamine    | 16.232 | 169  | 341523   | 20.623 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.920 | 248  | 104023   | 21.448 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 17.008 | 284  | 122158   | 21.794 | ng/ul# | 89       |
| 70) Atrazine                  | 17.166 | 200  | 112875   | 21.996 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 17.354 | 266  | 80719    | 25.208 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.783 | 178  | 625632m  | 19.856 | ng/ul  |          |
| 74) Anthracene                | 17.877 | 178  | 640003   | 20.117 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.788 | 216  | 132430   | 20.518 | ng/ul  | 91       |
| 76) Pentachlorobenzene        | 15.280 | 250  | 121139   | 19.779 | ng/ul  | 96       |
| 77) Carbazole                 | 18.148 | 167  | 589646   | 21.575 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.665 | 149  | 731158   | 19.471 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.775 | 202  | 659985   | 21.272 | ng/ul# | 95       |
| 82) Pyrene                    | 20.139 | 202  | 656546   | 20.372 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 21.009 | 149  | 309297   | 21.251 | ng/ul# | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.967 | 252  | 220279   | 23.133 | ng/ul# | 96       |
| 85) Benzo(a)anthracene        | 22.055 | 228  | 594490   | 19.728 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.902 | 149  | 436980   | 20.121 | ng/ul  | 96       |
| 87) Chrysene                  | 22.131 | 228  | 547575   | 19.534 | ng/ul  | 94       |
| 89) Di-n-octyl phthalate      | 23.259 | 149  | 731820   | 20.975 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.517 | 252  | 574736m  | 19.896 | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 24.599 | 252  | 561209   | 19.450 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.521 | 252  | 532441   | 19.502 | ng/ul  | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.875 | 276  | 709845m  | 20.512 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.969 | 278  | 579401   | 20.272 | ng/ul# | 91       |
| 96) Benzo(g,h,i)perylene      | 31.203 | 276  | 550403m  | 19.433 | ng/ul  |          |

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

