

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071924\  
 Data File : BG062139.D  
 Acq On : 19 Jul 2024 14:02  
 Operator : MA/JU  
 Sample : SSTD01023  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD010405

Manual Integrations  
 APPROVED

Reviewed By : Yogesh  
 Patel

Quant Time: Jul 19 14:37:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 19 13:21:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |                                                 |
|-------------------------------|--------|------|----------|--------|--------|----------|-------------------------------------------------|
| Internal Standards            |        |      |          |        |        |          | 07/20/2024<br>Supervised By : mohammad<br>Ahmed |
| 1) 1,4-Dichlorobenzene-d4     | 8.059  | 152  | 29284    | 20.000 | ng/u1  | -0.01    |                                                 |
| 20) Naphthalene-d8            | 10.878 | 136  | 117813   | 20.000 | ng/u1  | # 0.00   |                                                 |
| 38) Acenaphthene-d10          | 14.697 | 164  | 104730   | 20.000 | ng/u1  | 0.00     |                                                 |
| 64) Phenanthrene-d10          | 17.440 | 188  | 300396   | 20.000 | ng/u1  | 0.00     |                                                 |
| 79) Chrysene-d12              | 21.699 | 240  | 319606   | 20.000 | ng/u1  | 0.00     |                                                 |
| 88) Perylene-d12              | 24.930 | 264  | 325318   | 20.000 | ng/u1  | 0.00     | 07/29/2024                                      |
| System Monitoring Compounds   |        |      |          |        |        |          |                                                 |
| 3) 1,4-Dioxane-d8             | 3.447  | 96   | 2823     | 4.618  | ng/uL  | -0.01    |                                                 |
| 4) Pyridine-d5                | 3.870  | 84   | 22542    | 10.093 | ng/u1  | 0.00     |                                                 |
| 7) Phenol-d5                  | 7.236  | 99   | 26963    | 9.382  | ng/u1  | 0.00     |                                                 |
| 9) Bis-(2-Chloroethyl)eth...  | 7.383  | 67   | 16503    | 10.054 | ng/u1  | 0.00     |                                                 |
| 11) 2-Chlorophenol-d4         | 7.595  | 132  | 17298    | 9.613  | ng/u1  | -0.01    |                                                 |
| 15) 4-Methylphenol-d8         | 8.775  | 113  | 19506    | 8.810  | ng/u1  | -0.01    |                                                 |
| 21) Nitrobenzene-d5           | 9.234  | 128  | 9283     | 10.030 | ng/u1  | 0.00     |                                                 |
| 24) 2-Nitrophenol-d4          | 9.950  | 143  | 11381    | 10.087 | ng/u1  | -0.01    |                                                 |
| 28) 2,4-Dichlorophenol-d3     | 10.508 | 165  | 23379    | 9.893  | ng/u1  | 0.00     |                                                 |
| 31) 4-Chloroaniline-d4        | 11.013 | 131  | 27965    | 9.821  | ng/u1  | 0.00     |                                                 |
| 46) Dimethylphthalate-d6      | 14.092 | 166  | 87434    | 9.875  | ng/u1  | 0.00     |                                                 |
| 49) Acenaphthylene-d8         | 14.391 | 160  | 90105    | 10.029 | ng/u1  | 0.00     |                                                 |
| 54) 4-Nitrophenol-d4          | 14.914 | 143  | 10155    | 9.755  | ng/u1  | 0.00     |                                                 |
| 60) Fluorene-d10              | 15.684 | 176  | 74200    | 9.799  | ng/u1  | 0.00     |                                                 |
| 65) 4,6-Dinitro-2-methylph... | 15.807 | 200  | 16114    | 8.542  | ng/u1  | 0.00     |                                                 |
| 73) Anthracene-d10            | 17.534 | 188  | 137868   | 9.779  | ng/u1  | 0.00     |                                                 |
| 81) Pyrene-d10                | 19.819 | 212  | 186235   | 10.382 | ng/u1  | 0.00     |                                                 |
| 92) Benzo(a)pyrene-d12        | 24.707 | 264  | 161875   | 9.981  | ng/u1  | -0.01    |                                                 |
| Target Compounds              |        |      |          |        |        |          | Qvalue                                          |
| 2) 1,4-Dioxane                | 3.488  | 88   | 3205     | 3.912  | ng/uL# | 75       |                                                 |
| 5) Pyridine                   | 3.894  | 79   | 23018    | 9.972  | ng/u1  | 88       |                                                 |
| 6) Benzaldehyde               | 7.195  | 77   | 14621    | 9.501  | ng/u1  | 95       |                                                 |
| 8) Phenol                     | 7.260  | 94   | 25371    | 8.892  | ng/u1# | 93       |                                                 |
| 10) Bis(2-Chloroethyl)ether   | 7.471  | 93   | 20276    | 10.390 | ng/u1# | 86       |                                                 |
| 12) 2-Chlorophenol            | 7.624  | 128  | 18161    | 9.853  | ng/u1  | 94       |                                                 |
| 13) 2-Methylphenol            | 8.517  | 108  | 18743    | 8.654  | ng/u1  | 100      |                                                 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.581  | 45   | 31982    | 9.090  | ng/u1# | 92       |                                                 |
| 16) Acetophenone              | 8.887  | 105  | 34447    | 8.906  | ng/u1  | 97       |                                                 |
| 17) N-Nitroso-di-n-propyla... | 8.863  | 70   | 21039    | 9.518  | ng/u1# | 83       |                                                 |
| 18) 4-Methylphenol            | 8.846  | 108  | 21960    | 9.225  | ng/u1  | 94       |                                                 |
| 19) Hexachloroethane          | 9.145  | 117  | 8378     | 10.323 | ng/u1  | 83       |                                                 |
| 22) Nitrobenzene              | 9.275  | 77   | 30155    | 9.981  | ng/u1  | 95       |                                                 |
| 23) Isophorone                | 9.792  | 82   | 60275    | 9.757  | ng/u1  | 95       |                                                 |
| 25) 2-Nitrophenol             | 9.985  | 139  | 10520    | 8.780  | ng/u1# | 75       |                                                 |
| 26) 2,4-Dimethylphenol        | 10.050 | 107  | 28027    | 9.743  | ng/u1  | 95       |                                                 |
| 27) Bis(2-Chloroethoxy)met... | 10.273 | 93   | 29856    | 10.502 | ng/u1  | 99       |                                                 |
| 29) 2,4-Dichlorophenol        | 10.526 | 162  | 22072    | 9.846  | ng/u1  | 98       |                                                 |
| 30) Naphthalene               | 10.925 | 128  | 63480    | 10.018 | ng/u1  | 97       |                                                 |
| 32) 4-Chloroaniline           | 11.043 | 127  | 26708    | 9.999  | ng/u1# | 82       |                                                 |
| 33) Hexachlorobutadiene       | 11.196 | 225  | 20214    | 9.148  | ng/u1  | 89       |                                                 |
| 34) Caprolactam               | 11.807 | 113  | 8356     | 10.923 | ng/u1# | 75       |                                                 |
| 35) 4-Chloro-3-methylphenol   | 12.165 | 107  | 27390    | 10.200 | ng/u1  | 99       |                                                 |
| 36) 2-Methylnaphthalene       | 12.529 | 142  | 49813    | 10.410 | ng/u1  | 93       |                                                 |

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| 37) 1-Methylnaphthalene       | 12.752 | 142  | 50539    | 10.351 | ng/ul  | 96       | 07/20/2024                       |
| 39) 1,2,4,5-Tetrachloroben... | 12.887 | 216  | 41191    | 9.786  | ng/ul# | 98       | Supervised By :mohammad<br>ahmed |
| 40) Hexachlorocyclopentadiene | 12.858 | 237  | 13237    | 6.493  | ng/ul# | 85       |                                  |
| 41) 2,4,6-Trichlorophenol     | 13.134 | 196  | 23885    | 10.255 | ng/ul  | 84       |                                  |
| 42) 2,4,5-Trichlorophenol     | 13.216 | 196  | 25915    | 10.272 | ng/ul  | 87       |                                  |
| 43) 1,1'-Biphenyl             | 13.528 | 154  | 73040    | 9.943  | ng/ul  | 93       |                                  |
| 44) 2-Chloronaphthalene       | 13.575 | 162  | 61226    | 10.126 | ng/ul  | 98       | 07/29/2024                       |
| 45) 2-Nitroaniline            | 13.780 | 65   | 21779    | 9.669  | ng/ul# | 80       |                                  |
| 47) Dimethylphthalate         | 14.139 | 163  | 82716    | 9.761  | ng/ul# | 91       |                                  |
| 48) 2,6-Dinitrotoluene        | 14.274 | 165  | 17188    | 10.021 | ng/ul# | 87       |                                  |
| 50) Acenaphthylene            | 14.421 | 152  | 99127    | 10.143 | ng/ul  | 96       |                                  |
| 51) 3-Nitroaniline            | 14.609 | 138  | 13541    | 9.613  | ng/ul# | 83       |                                  |
| 52) Acenaphthene              | 14.755 | 153  | 65719    | 10.128 | ng/ul  | 94       |                                  |
| 53) 2,4-Dinitrophenol         | 14.814 | 184  | 10837m   | 13.965 | ng/ul  |          |                                  |
| 55) 4-Nitrophenol             | 14.938 | 109  | 13674    | 8.362  | ng/ul  | 98       |                                  |
| 56) Dibenzofuran              | 15.096 | 168  | 100068   | 10.283 | ng/ul  | 94       |                                  |
| 57) 2,4-Dinitrotoluene        | 15.055 | 165  | 26871    | 10.289 | ng/ul# | 93       |                                  |
| 58) 2,3,4,6-Tetrachlorophenol | 15.319 | 232  | 21347    | 9.409  | ng/ul# | 89       |                                  |
| 59) Diethylphthalate          | 15.496 | 149  | 83688    | 9.940  | ng/ul  | 97       |                                  |
| 61) Fluorene                  | 15.737 | 166  | 83909    | 10.011 | ng/ul  | 96       |                                  |
| 62) 4-Chlorophenyl-phenyle... | 15.725 | 204  | 52447    | 10.140 | ng/ul  | 95       |                                  |
| 63) 4-Nitroaniline            | 15.766 | 138  | 15276    | 10.305 | ng/ul# | 91       |                                  |
| 66) 4,6-Dinitro-2-methylph... | 15.825 | 198  | 14246    | 7.883  | ng/ul# | 89       |                                  |
| 67) N-Nitrosodiphenylamine    | 15.942 | 169  | 71629    | 9.736  | ng/ul  | 98       |                                  |
| 68) 4-Bromophenyl-phenylether | 16.618 | 248  | 34544    | 9.827  | ng/ul  | 87       |                                  |
| 69) Hexachlorobenzene         | 16.741 | 284  | 37176    | 10.072 | ng/ul  | 94       |                                  |
| 70) Atrazine                  | 16.888 | 200  | 37580    | 10.084 | ng/ul  | 97       |                                  |
| 71) Pentachlorophenol         | 17.093 | 266  | 16983m   | 15.144 | ng/ul  |          |                                  |
| 72) Phenanthrene              | 17.481 | 178  | 144569   | 9.955  | ng/ul  | 97       |                                  |
| 74) Anthracene                | 17.569 | 178  | 147797   | 9.843  | ng/ul  | 97       |                                  |
| 75) 1,2,3,4-Tetrachloroben... | 13.498 | 216  | 41346    | 9.528  | ng/ul# | 84       |                                  |
| 76) Pentachlorobenzene        | 15.008 | 250  | 40671    | 9.470  | ng/ul  | 92       |                                  |
| 77) Carbazole                 | 17.845 | 167  | 129692   | 10.195 | ng/ul# | 98       |                                  |
| 78) Di-n-butylphthalate       | 18.380 | 149  | 148727   | 10.180 | ng/ul  | 97       |                                  |
| 80) Fluoranthene              | 19.484 | 202  | 210893   | 10.129 | ng/ul  | 99       |                                  |
| 82) Pyrene                    | 19.849 | 202  | 218001   | 10.133 | ng/ul  | 99       |                                  |
| 83) Butylbenzylphthalate      | 20.718 | 149  | 63201    | 9.834  | ng/ul  | 99       |                                  |
| 84) 3,3'-Dichlorobenzidine    | 21.593 | 252  | 72170    | 10.398 | ng/ul  | 98       |                                  |
| 85) Benzo(a)anthracene        | 21.681 | 228  | 230469   | 10.347 | ng/ul  | 98       |                                  |
| 86) Bis(2-ethylhexyl)phtha... | 21.564 | 149  | 92779    | 10.158 | ng/ul# | 97       |                                  |
| 87) Chrysene                  | 21.746 | 228  | 210022   | 10.210 | ng/ul  | 96       |                                  |
| 89) Di-n-octyl phthalate      | 22.774 | 149  | 153876   | 10.384 | ng/ul  | 100      |                                  |
| 90) Benzo(b)fluoranthene      | 23.902 | 252  | 209779   | 10.544 | ng/ul  | 99       |                                  |
| 91) Benzo(k)fluoranthene      | 23.967 | 252  | 195608   | 9.718  | ng/ul# | 99       |                                  |
| 93) Benzo(a)pyrene            | 24.777 | 252  | 190704   | 10.235 | ng/ul  | 96       |                                  |
| 94) Indeno(1,2,3-cd)pyrene    | 28.607 | 276  | 216702   | 10.087 | ng/ul# | 93       |                                  |
| 95) Dibenzo(a,h)anthracene    | 28.666 | 278  | 178118   | 9.942  | ng/ul# | 94       |                                  |
| 96) Benzo(g,h,i)perylene      | 29.776 | 276  | 176134m  | 10.286 | ng/ul  |          |                                  |

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

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