

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100423\  
 Data File : BG059283.D  
 Acq On : 4 Oct 2023 16:21  
 Operator : MA/JU  
 Sample : PB155820BS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS820

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/05/2023  
 Supervised By :mohammad ahmed 10/06/2023

Quant Time: Oct 04 23:44:47 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     | 8.226  | 152  | 34289    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.070 | 136  | 169980   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.865 | 164  | 111315   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.609 | 188  | 238470   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.910 | 240  | 219078   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 25.388 | 264  | 252318   | 20.000 | ng/u1  | #-0.02   |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.526  | 96   | 5025     | 5.531  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.960  | 84   | 66379    | 25.041 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.356  | 99   | 96137    | 28.010 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.556  | 67   | 53723    | 24.502 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.750  | 132  | 67359    | 29.195 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.925  | 113  | 68837    | 25.945 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.425  | 128  | 36462    | 30.398 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 10.147 | 143  | 39714    | 33.727 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.676 | 165  | 71728    | 29.653 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.217 | 131  | 98724    | 25.225 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.260 | 166  | 223554   | 27.777 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.566 | 160  | 274350   | 27.159 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.053 | 143  | 42658    | 30.353 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.852 | 176  | 211247   | 27.578 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.964 | 200  | 40602    | 33.123 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.709 | 188  | 288226   | 26.526 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.983 | 212  | 340747   | 27.774 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.142 | 264  | 347635   | 28.671 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.573  | 88   | 9837     | 9.216  | ng/uL  | 85       |
| 5) Pyridine                   | 3.984  | 79   | 61847    | 22.975 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.374  | 77   | 48717    | 32.321 | ng/u1  | 97       |
| 8) Phenol                     | 7.386  | 94   | 93260    | 27.314 | ng/u1  | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.644  | 93   | 74845    | 26.728 | ng/u1  | 89       |
| 12) 2-Chlorophenol            | 7.779  | 128  | 69865    | 28.720 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.661  | 108  | 66841    | 25.911 | ng/u1  | 94       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.737  | 45   | 157098m  | 25.377 | ng/u1  |          |
| 16) Acetophenone              | 9.072  | 105  | 107954   | 26.272 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 9.037  | 70   | 53833    | 25.828 | ng/u1  | 93       |
| 18) 4-Methylphenol            | 8.990  | 108  | 74887    | 27.399 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.313  | 117  | 27471    | 28.665 | ng/u1  | 85       |
| 22) Nitrobenzene              | 9.472  | 77   | 82653    | 27.915 | ng/u1  | 93       |
| 23) Isophorone                | 9.977  | 82   | 173279   | 27.214 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.183 | 139  | 41984    | 32.360 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 10.206 | 107  | 49126    | 17.708 | ng/u1  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 10.459 | 93   | 108369   | 26.974 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.700 | 162  | 71936    | 29.917 | ng/u1  | 97       |
| 30) Naphthalene               | 11.123 | 128  | 249013   | 27.323 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.240 | 127  | 95717    | 25.576 | ng/u1  | 94       |
| 33) Hexachlorobutadiene       | 11.352 | 225  | 46022    | 28.598 | ng/u1  | 98       |
| 34) Caprolactam               | 12.016 | 113  | 25079m   | 30.144 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.321 | 107  | 78219    | 30.488 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.709 | 142  | 166832   | 27.943 | ng/u1  | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.926 | 142  | 162998   | 26.899 | ng/ul# | 91       |
| 39) 1,2,4,5-Tetrachloroben... | 13.050 | 216  | 87419    | 26.231 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 13.003 | 237  | 34945    | 16.999 | ng/ul  | 88       |
| 41) 2,4,6-Trichlorophenol     | 13.297 | 196  | 61573    | 30.178 | ng/ul# | 82       |
| 42) 2,4,5-Trichlorophenol     | 13.367 | 196  | 65073    | 30.394 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.696 | 154  | 247328   | 27.512 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.755 | 162  | 188165   | 27.800 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.972 | 65   | 59703    | 31.271 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.307 | 163  | 233272   | 28.298 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.454 | 165  | 48343    | 34.481 | ng/ul# | 81       |
| 50) Acenaphthylene            | 14.595 | 152  | 297097   | 27.553 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.789 | 138  | 51829    | 34.244 | ng/ul# | 98       |
| 52) Acenaphthene              | 14.930 | 153  | 203808   | 27.537 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.983 | 184  | 20868    | 26.775 | ng/ul  | 88       |
| 55) 4-Nitrophenol             | 15.071 | 109  | 28612    | 28.861 | ng/ul  | 86       |
| 56) Dibenzofuran              | 15.259 | 168  | 275777   | 28.110 | ng/ul  | 95       |
| 57) 2,4-Dinitrotoluene        | 15.230 | 165  | 68915    | 33.196 | ng/ul# | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.470 | 232  | 60059    | 30.987 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.653 | 149  | 229777   | 28.833 | ng/ul  | 94       |
| 61) Fluorene                  | 15.905 | 166  | 231731   | 28.131 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.888 | 204  | 118481   | 28.853 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.952 | 138  | 51576    | 37.029 | ng/ul  | 90       |
| 66) 4,6-Dinitro-2-methylph... | 15.982 | 198  | 43656    | 33.777 | ng/ul# | 84       |
| 67) N-Nitrosodiphenylamine    | 16.111 | 169  | 187718   | 29.531 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.787 | 248  | 71893    | 31.119 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.881 | 284  | 81995    | 31.416 | ng/ul  | 98       |
| 70) Atrazine                  | 17.039 | 200  | 62130    | 25.704 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.233 | 266  | 46771    | 31.137 | ng/ul  | 91       |
| 72) Phenanthrene              | 17.656 | 178  | 380067   | 29.042 | ng/ul  | 98       |
| 74) Anthracene                | 17.744 | 178  | 370272   | 27.401 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.661 | 216  | 88888    | 28.285 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.153 | 250  | 87361    | 28.154 | ng/uL  | 96       |
| 77) Carbazole                 | 18.020 | 167  | 327307   | 29.718 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.526 | 149  | 396444   | 30.365 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.648 | 202  | 436366   | 28.872 | ng/ul  | 98       |
| 82) Pyrene                    | 20.012 | 202  | 463940   | 28.981 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.864 | 149  | 172775   | 30.605 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.804 | 252  | 150117   | 29.588 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.886 | 228  | 442271   | 28.678 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.722 | 149  | 257335   | 30.019 | ng/ul  | 98       |
| 87) Chrysene                  | 21.963 | 228  | 416794   | 28.615 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.015 | 149  | 444328   | 30.279 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.260 | 252  | 451695   | 29.228 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.337 | 252  | 459486   | 29.344 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 25.218 | 252  | 433753   | 29.587 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.401 | 276  | 489521m  | 29.497 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.478 | 278  | 412628   | 30.575 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 30.676 | 276  | 394381m  | 29.227 | ng/ul  |          |

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

