

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG022322\  
 Data File : BG052468.D  
 Acq On : 23 Feb 2022 17:40  
 Operator : CG/JU  
 Sample : PB142864BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS864

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/24/2022  
 Supervised By :mohammad ahmed 02/24/2022

Quant Time: Feb 24 00:09:13 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG022222.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Feb 22 17:32:12 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.222  | 152  | 26041    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.060 | 136  | 112289   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.866 | 164  | 82629    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.615 | 188  | 198167   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.933 | 240  | 192063   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.393 | 264  | 199669   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.546  | 96   | 4039     | 6.084  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.975  | 84   | 57344    | 28.633 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.370  | 99   | 80143    | 32.456 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.529  | 67   | 46846    | 32.463 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.752  | 132  | 56802    | 32.751 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.933  | 113  | 63026    | 32.804 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.397  | 128  | 30467    | 31.827 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.126 | 143  | 33888    | 32.320 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.678 | 165  | 65850    | 33.678 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.183 | 131  | 79339    | 29.280 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.255 | 166  | 225372   | 33.552 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.561 | 160  | 269719   | 32.527 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.054 | 143  | 35771    | 33.499 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.859 | 176  | 195979   | 33.212 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.971 | 200  | 43170    | 34.357 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.715 | 188  | 327042   | 34.161 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.995 | 212  | 402723   | 35.834 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.158 | 264  | 375888   | 35.090 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.581  | 88   | 9657     | 12.504 | ng/uL# | 90       |
| 5) Pyridine                   | 3.993  | 79   | 59312    | 29.334 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.341  | 77   | 45931    | 32.755 | ng/u1  | 92       |
| 8) Phenol                     | 7.394  | 94   | 80908    | 32.396 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.623  | 93   | 59876    | 32.413 | ng/u1  | 90       |
| 12) 2-Chlorophenol            | 7.782  | 128  | 60519    | 33.493 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.663  | 108  | 61015    | 32.274 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.745  | 45   | 82062    | 32.458 | ng/u1  | 97       |
| 16) Acetophenone              | 9.051  | 105  | 97290    | 32.867 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 9.027  | 70   | 56877    | 32.638 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.992  | 108  | 65477    | 32.567 | ng/u1  | 92       |
| 19) Hexachloroethane          | 9.327  | 117  | 23798    | 33.685 | ng/u1# | 81       |
| 22) Nitrobenzene              | 9.438  | 77   | 81678    | 33.284 | ng/u1  | 92       |
| 23) Isophorone                | 9.961  | 82   | 159515   | 33.695 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 10.161 | 139  | 38640    | 35.068 | ng/u1  | 89       |
| 26) 2,4-Dimethylphenol        | 10.208 | 107  | 73220    | 32.308 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.443 | 93   | 85034    | 33.187 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.707 | 162  | 62141    | 33.594 | ng/u1  | 98       |
| 30) Naphthalene               | 11.112 | 128  | 203636   | 32.597 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.212 | 127  | 76784    | 27.623 | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 11.400 | 225  | 46276    | 31.705 | ng/u1  | 94       |
| 34) Caprolactam               | 11.958 | 113  | 24102m   | 35.025 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.328 | 107  | 71776    | 34.742 | ng/u1  | 88       |
| 36) 2-Methylnaphthalene       | 12.704 | 142  | 142093   | 31.743 | ng/u1  | 98       |

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### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.922 | 142  | 147497   | 32.378 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 13.075 | 216  | 92493    | 31.896 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.051 | 237  | 41799    | 29.776 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.310 | 196  | 58931    | 33.886 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.386 | 196  | 61605    | 33.234 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.703 | 154  | 208631   | 31.755 | ng/ul# | 94       |
| 44) 2-Chloronaphthalene       | 13.750 | 162  | 161498   | 32.322 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.944 | 65   | 55392    | 33.943 | ng/ul# | 89       |
| 47) Dimethylphthalate         | 14.302 | 163  | 219701   | 33.460 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.432 | 165  | 49355    | 34.324 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.590 | 152  | 266311   | 32.138 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.760 | 138  | 45518    | 38.871 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.931 | 153  | 176102   | 32.314 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.972 | 184  | 24501    | 34.459 | ng/ul# | 86       |
| 55) 4-Nitrophenol             | 15.072 | 109  | 34276    | 33.097 | ng/ul  | 90       |
| 56) Dibenzofuran              | 15.266 | 168  | 253683   | 32.382 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.219 | 165  | 70292    | 33.748 | ng/ul  | 86       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.489 | 232  | 56829    | 33.826 | ng/ul# | 89       |
| 59) Diethylphthalate          | 15.665 | 149  | 224410   | 33.809 | ng/ul  | 95       |
| 61) Fluorene                  | 15.912 | 166  | 214653   | 32.573 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.894 | 204  | 118830   | 33.133 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.924 | 138  | 49160    | 43.724 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.988 | 198  | 42784    | 35.133 | ng/ul# | 88       |
| 67) N-Nitrosodiphenylamine    | 16.112 | 169  | 190873   | 34.186 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.793 | 248  | 81863    | 34.418 | ng/ul# | 87       |
| 69) Hexachlorobenzene         | 16.928 | 284  | 92462    | 33.880 | ng/ul# | 87       |
| 70) Atrazine                  | 17.052 | 200  | 75664    | 30.749 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.269 | 266  | 40754    | 33.155 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.657 | 178  | 365510   | 34.246 | ng/ul  | 98       |
| 74) Anthracene                | 17.751 | 178  | 361979   | 33.697 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.674 | 216  | 97317    | 31.044 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.189 | 250  | 101277   | 33.840 | ng/uL  | 98       |
| 77) Carbazole                 | 18.015 | 167  | 338012   | 35.427 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.555 | 149  | 397545   | 35.035 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.666 | 202  | 477859   | 36.014 | ng/ul# | 91       |
| 82) Pyrene                    | 20.024 | 202  | 463625   | 35.187 | ng/ul# | 89       |
| 83) Butylbenzylphthalate      | 20.893 | 149  | 170705   | 35.838 | ng/ul# | 87       |
| 84) 3,3'-Dichlorobenzidine    | 21.810 | 252  | 161175   | 37.989 | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.910 | 228  | 457691   | 35.169 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.786 | 149  | 238930   | 35.785 | ng/ul# | 98       |
| 87) Chrysene                  | 21.980 | 228  | 436785   | 35.008 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.079 | 149  | 403404   | 34.939 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.289 | 252  | 481686   | 34.601 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 24.359 | 252  | 447554   | 34.855 | ng/ul# | 95       |
| 93) Benzo(a)pyrene            | 25.229 | 252  | 449923   | 34.356 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.394 | 276  | 523506   | 35.154 | ng/ul# | 94       |
| 95) Dibenzo(a,h)anthracene    | 29.458 | 278  | 445748m  | 35.064 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 30.645 | 276  | 438458   | 35.067 | ng/ul# | 90       |

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

