

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121824\  
 Data File : BG063732.D  
 Acq On : 18 Dec 2024 18:45  
 Operator : RC/JU  
 Sample : PB165662BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS662

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/21/2024  
 Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 18 23:18:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 11 23:59:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.799  | 152  | 118750   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.590 | 136  | 480149   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.444 | 164  | 360915   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.194 | 188  | 958346   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.442 | 240  | 1060068  | 20.000 | ng/u1  | -0.02    |
| 88) Perylene-d12              | 24.456 | 264  | 1116237  | 20.000 | ng/u1  | -0.02    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.263  | 96   | 15981    | 5.274  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.675  | 84   | 256239   | 26.805 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.994  | 99   | 319556   | 29.219 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.135  | 67   | 188204   | 24.916 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.341  | 132  | 212625   | 30.030 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.528  | 113  | 242895   | 28.606 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.963  | 128  | 106517m  | 31.070 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.679  | 143  | 117653   | 30.615 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.232 | 165  | 240853   | 32.371 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.731 | 131  | 268630   | 28.435 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.851 | 166  | 746526   | 30.398 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.133 | 160  | 844055   | 30.150 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.679 | 143  | 130542   | 37.516 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.437 | 176  | 686466   | 31.615 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.572 | 200  | 155295   | 31.210 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.294 | 188  | 1278112  | 31.020 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.591 | 212  | 1587665  | 28.781 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.250 | 264  | 1572321  | 29.995 | ng/u1  | -0.02    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.299  | 88   | 33323    | 9.292  | ng/uL  | 97       |
| 5) Pyridine                   | 3.692  | 79   | 267688   | 26.144 | ng/u1  | 92       |
| 6) Benzaldehyde               | 6.947  | 77   | 28848    | 4.300  | ng/u1# | 85       |
| 8) Phenol                     | 7.018  | 94   | 354899   | 30.448 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.229  | 93   | 243199   | 27.271 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.376  | 128  | 225568   | 31.472 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.257  | 108  | 242313   | 28.763 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.322  | 45   | 357279   | 26.986 | ng/u1  | 97       |
| 16) Acetophenone              | 8.622  | 105  | 388316   | 26.962 | ng/u1  | 91       |
| 17) N-Nitroso-di-n-propyla... | 8.604  | 70   | 220377   | 25.644 | ng/u1  | 93       |
| 18) 4-Methylphenol            | 8.587  | 108  | 277832   | 30.133 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.874  | 117  | 89262    | 25.347 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.004  | 77   | 320641   | 28.008 | ng/u1  | 94       |
| 23) Isophorone                | 9.521  | 82   | 601999   | 27.831 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.715  | 139  | 124148   | 31.434 | ng/u1  | 88       |
| 26) 2,4-Dimethylphenol        | 9.779  | 107  | 276045   | 30.802 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.003 | 93   | 331810   | 28.361 | ng/u1  | 94       |
| 29) 2,4-Dichlorophenol        | 10.255 | 162  | 248565   | 33.622 | ng/u1  | 98       |
| 30) Naphthalene               | 10.643 | 128  | 713328   | 29.715 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 10.755 | 127  | 174302   | 19.392 | ng/u1  | 94       |
| 33) Hexachlorobutadiene       | 10.925 | 225  | 157269   | 26.185 | ng/u1  | 98       |
| 34) Caprolactam               | 11.507 | 113  | 89851m   | 35.159 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.900 | 107  | 275277m  | 31.716 | ng/u1  |          |
| 36) 2-Methylnaphthalene       | 12.259 | 142  | 510011   | 29.560 | ng/u1  | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.476 | 142  | 508054   | 28.909 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.629 | 216  | 306463   | 26.525 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.605 | 237  | 69039    | 15.116 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.876 | 196  | 210710   | 32.267 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 12.958 | 196  | 230651   | 33.844 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.269 | 154  | 707002   | 29.704 | ng/ul  | 94       |
| 44) 2-Chloronaphthalene       | 13.316 | 162  | 568633   | 29.751 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.522 | 65   | 219098   | 34.222 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.898 | 163  | 766303   | 31.134 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.021 | 165  | 156335   | 34.201 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.162 | 152  | 921913   | 30.712 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.356 | 138  | 163706   | 38.735 | ng/ul  | 86       |
| 52) Acenaphthene              | 14.509 | 153  | 655293   | 30.799 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.574 | 184  | 77927    | 33.359 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.691 | 109  | 120220   | 33.273 | ng/ul  | 94       |
| 56) Dibenzofuran              | 14.844 | 168  | 978105   | 32.608 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.820 | 165  | 249270   | 36.699 | ng/ul  | 87       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.079 | 232  | 212543   | 36.180 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.267 | 149  | 809339   | 34.014 | ng/ul  | 98       |
| 61) Fluorene                  | 15.496 | 166  | 795070   | 33.194 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.484 | 204  | 413572   | 30.993 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.525 | 138  | 203301   | 48.050 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.590 | 198  | 159823   | 31.178 | ng/ul# | 90       |
| 67) N-Nitrosodiphenylamine    | 15.702 | 169  | 708597   | 30.534 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.383 | 248  | 284003   | 29.078 | ng/ul  | 93       |
| 69) Hexachlorobenzene         | 16.507 | 284  | 327147   | 29.896 | ng/ul  | 97       |
| 70) Atrazine                  | 16.659 | 200  | 310139   | 31.615 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.859 | 266  | 152078   | 32.962 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.235 | 178  | 1499466  | 32.468 | ng/ul  | 100      |
| 74) Anthracene                | 17.329 | 178  | 1518475  | 32.486 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.240 | 216  | 310776   | 24.305 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.768 | 250  | 352313   | 27.813 | ng/ul  | 99       |
| 77) Carbazole                 | 17.599 | 167  | 1379338  | 36.455 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.158 | 149  | 1626809  | 35.601 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.256 | 202  | 1893281  | 30.197 | ng/ul# | 95       |
| 82) Pyrene                    | 19.621 | 202  | 2033340  | 30.482 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.514 | 149  | 750845   | 36.668 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.348 | 252  | 612988   | 32.033 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.424 | 228  | 1947915  | 29.320 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.336 | 149  | 1082638  | 36.346 | ng/ul  | 100      |
| 87) Chrysene                  | 21.489 | 228  | 1867177  | 29.488 | ng/ul  | 96       |
| 89) Di-n-octyl phthalate      | 22.470 | 149  | 1871430  | 38.843 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.504 | 252  | 1999262  | 31.513 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.569 | 252  | 1913867  | 30.243 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.321 | 252  | 1829061  | 30.715 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.864 | 276  | 2269410  | 31.206 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 27.905 | 278  | 1854537  | 31.871 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 28.933 | 276  | 1791992  | 31.053 | ng/ul  | 99       |

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

