

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100424\  
 Data File : BP022254.D  
 Acq On : 05 Oct 2024 08:48  
 Operator : RC/JU  
 Sample : PB163912BS  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS912

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/06/2024  
 Supervised By :mohammad ahmed 10/06/2024

Quant Time: Oct 06 00:45:59 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 04 05:25:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 170070   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.452 | 136  | 654908   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.304 | 164  | 503200   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.110 | 188  | 1169914  | 20.000 | ng/u1  | 0.02     |
| 79) Chrysene-d12              | 21.539 | 240  | 1184382  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.821 | 264  | 1367798  | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.217  | 96   | 18479    | 4.256  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.628  | 84   | 266281   | 21.455 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.881  | 99   | 355918   | 25.584 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.034  | 67   | 205229   | 23.957 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.234  | 132  | 276836   | 27.504 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.399  | 113  | 290994   | 26.397 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.834  | 128  | 136799   | 27.908 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.546  | 143  | 165182   | 29.721 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 344620   | 28.552 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.593 | 131  | 371278   | 25.781 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 1040505  | 26.750 | ng/u1  | 0.01     |
| 49) Acenaphthylene-d8         | 13.993 | 160  | 1134577  | 27.549 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.516 | 143  | 159234   | 23.932 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.310 | 176  | 901172   | 26.191 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 176021   | 24.234 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.198 | 188  | 1478232  | 27.066 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.581 | 212  | 1781593  | 29.035 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.592 | 264  | 1989048  | 27.648 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.252  | 88   | 36718    | 7.807  | ng/uL  | 95       |
| 5) Pyridine                   | 3.646  | 79   | 263326   | 20.884 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.846  | 77   | 201464   | 25.600 | ng/u1  | 95       |
| 8) Phenol                     | 6.905  | 94   | 359790   | 24.782 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.122  | 93   | 274899   | 24.739 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.264  | 128  | 275994   | 26.450 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.134  | 108  | 267311   | 25.387 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.205  | 45   | 249001   | 24.155 | ng/u1  | 98       |
| 16) Acetophenone              | 8.505  | 105  | 463498   | 25.277 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.493  | 70   | 237796   | 25.015 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.458  | 108  | 293005   | 25.518 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.758  | 117  | 121182   | 24.602 | ng/u1  | 100      |
| 22) Nitrobenzene              | 8.875  | 77   | 368723   | 24.604 | ng/u1  | 97       |
| 23) Isophorone                | 9.405  | 82   | 675787   | 26.033 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.581  | 139  | 167764   | 28.211 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.646  | 107  | 314797   | 23.368 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.869  | 93   | 378997   | 25.328 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.110 | 162  | 330072   | 27.526 | ng/u1  | 97       |
| 30) Naphthalene               | 10.505 | 128  | 889358   | 25.809 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.616 | 127  | 299898   | 21.026 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.787 | 225  | 265075   | 24.898 | ng/u1  | 98       |
| 34) Caprolactam               | 11.393 | 113  | 91732    | 25.218 | ng/u1  | 93       |
| 35) 4-Chloro-3-methylphenol   | 11.740 | 107  | 345754   | 26.652 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.104 | 142  | 657754   | 25.685 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.334 | 142  | 661685   | 25.620 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.475 | 216  | 489344   | 26.229 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.457 | 237  | 240780   | 20.518 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.728 | 196  | 300075   | 26.906 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.804 | 196  | 335826   | 27.806 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.128 | 154  | 945230   | 26.268 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.163 | 162  | 763494   | 26.352 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.381 | 65   | 221869   | 26.484 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 13.757 | 163  | 982846   | 25.157 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.875 | 165  | 207263   | 27.673 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.022 | 152  | 1141095  | 26.570 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.210 | 138  | 186194   | 27.305 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.369 | 153  | 786630   | 25.208 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.428 | 184  | 102879   | 20.188 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.534 | 109  | 167659   | 22.273 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.716 | 168  | 1162156  | 25.050 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.681 | 165  | 307061   | 26.603 | ng/ul  | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.940 | 232  | 292818   | 25.187 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.134 | 149  | 986805   | 25.522 | ng/ul  | 99       |
| 61) Fluorene                  | 15.369 | 166  | 952896   | 24.698 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.363 | 204  | 557805   | 25.112 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.404 | 138  | 197395   | 28.442 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.457 | 198  | 185468   | 23.454 | ng/ul# | 94       |
| 67) N-Nitrosodiphenylamine    | 15.575 | 169  | 833924   | 27.064 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.275 | 248  | 390479   | 27.793 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.398 | 284  | 488038   | 28.609 | ng/ul  | 93       |
| 70) Atrazine                  | 16.551 | 200  | 236943   | 17.238 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.751 | 266  | 278753   | 24.491 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.151 | 178  | 1584582  | 25.833 | ng/ul  | 99       |
| 74) Anthracene                | 17.234 | 178  | 1593537  | 25.528 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.087 | 216  | 476597   | 27.147 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.628 | 250  | 516975   | 26.778 | ng/ul  | 99       |
| 77) Carbazole                 | 17.528 | 167  | 1398394  | 25.418 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.110 | 149  | 1680523  | 26.495 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.239 | 202  | 2067994  | 29.487 | ng/ul  | 98       |
| 82) Pyrene                    | 19.616 | 202  | 2113450  | 27.996 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.563 | 149  | 763260   | 29.011 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.439 | 252  | 754908   | 27.838 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.522 | 228  | 2127980  | 26.071 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.457 | 149  | 1115179  | 28.890 | ng/ul  | 99       |
| 87) Chrysene                  | 21.586 | 228  | 1987788  | 25.949 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.710 | 149  | 1852267  | 27.413 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.780 | 252  | 2260348  | 26.621 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.851 | 252  | 2183480  | 25.801 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.669 | 252  | 1974392  | 25.236 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.533 | 276  | 2674580m | 26.218 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.604 | 278  | 2153304m | 26.203 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.698 | 276  | 2074524  | 26.208 | ng/ul  | 99       |

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

