

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
 Data File : BP022532.D  
 Acq On : 22 Oct 2024 09:43  
 Operator : RC/JU  
 Sample : PB164219BS  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS219

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024  
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 22 10:50:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 22 05:59:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.664  | 152  | 100099   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.416 | 136  | 411364   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.275 | 164  | 332951   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 817698   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.504 | 240  | 822038   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.757 | 264  | 921857   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.193  | 96   | 12928    | 5.019  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 186601   | 26.388 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.858  | 99   | 258469   | 30.675 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.005  | 67   | 140830   | 28.437 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.205  | 132  | 193820   | 32.418 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.369  | 113  | 214576   | 31.910 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.805  | 128  | 94646    | 29.923 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.516  | 143  | 117138   | 31.988 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.052 | 165  | 250201   | 32.147 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.552 | 131  | 258119   | 28.067 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.675 | 166  | 779711   | 29.475 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.963 | 160  | 831062   | 29.578 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.510 | 143  | 131608   | 29.655 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.287 | 176  | 679004   | 29.593 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.410 | 200  | 127801   | 23.764 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.175 | 188  | 1147585  | 29.833 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.557 | 212  | 1434677  | 33.003 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.545 | 264  | 1510920  | 30.690 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.228  | 88   | 26600    | 9.604  | ng/uL  | 99       |
| 5) Pyridine                   | 3.623  | 79   | 184265   | 25.413 | ng/u1  | 95       |
| 6) Benzaldehyde               | 6.822  | 77   | 38261    | 8.403  | ng/u1  | 96       |
| 8) Phenol                     | 6.881  | 94   | 261113   | 29.785 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.099  | 93   | 186512   | 28.428 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.240  | 128  | 192713   | 31.170 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.105  | 108  | 196381   | 30.867 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.169  | 45   | 214121   | 28.081 | ng/u1  | 98       |
| 16) Acetophenone              | 8.469  | 105  | 321308   | 28.943 | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.458  | 70   | 166950   | 29.683 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.428  | 108  | 217428   | 30.806 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.716  | 117  | 84032    | 29.184 | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.846  | 77   | 256871   | 27.207 | ng/u1  | 97       |
| 23) Isophorone                | 9.369  | 82   | 480147   | 28.364 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.546  | 139  | 118132   | 29.933 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.610  | 107  | 246662   | 28.755 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.834  | 93   | 269694   | 28.059 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.075 | 162  | 236690   | 30.882 | ng/u1  | 99       |
| 30) Naphthalene               | 10.469 | 128  | 634341   | 28.952 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.581 | 127  | 197702   | 21.778 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.746 | 225  | 183565   | 28.417 | ng/u1  | 99       |
| 34) Caprolactam               | 11.363 | 113  | 74074m   | 29.978 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.710 | 107  | 262052   | 31.337 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.075 | 142  | 478459   | 29.749 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.293 | 142  | 466522   | 28.419 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.451 | 216  | 347439   | 28.222 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.422 | 237  | 100007   | 13.333 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.693 | 196  | 234912   | 30.335 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.781 | 196  | 256629   | 31.123 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.099 | 154  | 671234   | 27.969 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.140 | 162  | 559269   | 28.468 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.351 | 65   | 167730   | 28.593 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 13.722 | 163  | 742792   | 28.179 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.857 | 165  | 157010   | 31.491 | ng/ul  | 95       |
| 50) Acenaphthylene            | 13.993 | 152  | 819774   | 28.113 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.187 | 138  | 139458   | 29.780 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.340 | 153  | 593578   | 28.786 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.398 | 184  | 79003    | 21.536 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.528 | 109  | 140133   | 28.450 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.675 | 168  | 890473   | 28.749 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.657 | 165  | 239234   | 30.878 | ng/ul  | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.922 | 232  | 234096   | 30.416 | ng/ul# | 99       |
| 59) Diethylphthalate          | 15.104 | 149  | 739212   | 29.230 | ng/ul  | 99       |
| 61) Fluorene                  | 15.340 | 166  | 725909   | 28.763 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.340 | 204  | 416592   | 28.865 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.369 | 138  | 155520   | 33.004 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.422 | 198  | 134256   | 23.177 | ng/ul  | 100      |
| 67) N-Nitrosodiphenylamine    | 15.557 | 169  | 635092   | 29.003 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.245 | 248  | 293227   | 29.737 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.369 | 284  | 367697   | 30.294 | ng/ul  | 97       |
| 70) Atrazine                  | 16.534 | 200  | 280662   | 30.835 | ng/ul  | 93       |
| 71) Pentachlorophenol         | 16.722 | 266  | 240146   | 30.771 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.116 | 178  | 1261829  | 28.843 | ng/ul  | 99       |
| 74) Anthracene                | 17.210 | 178  | 1265002  | 28.976 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.057 | 216  | 353082   | 28.359 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.610 | 250  | 382975   | 27.825 | ng/ul  | 98       |
| 77) Carbazole                 | 17.492 | 167  | 1136751  | 29.427 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.081 | 149  | 1324704  | 30.992 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.210 | 202  | 1625190  | 32.520 | ng/ul  | 100      |
| 82) Pyrene                    | 19.586 | 202  | 1677519  | 31.318 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.533 | 149  | 611744   | 32.804 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.410 | 252  | 451197   | 23.026 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.486 | 228  | 1668603  | 28.955 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.416 | 149  | 866536   | 32.372 | ng/ul  | 100      |
| 87) Chrysene                  | 21.545 | 228  | 1542258  | 28.863 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.657 | 149  | 1451004  | 33.091 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.733 | 252  | 1709906  | 29.467 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.804 | 252  | 1685164  | 29.662 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 24.610 | 252  | 1547433  | 28.975 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.462 | 276  | 2053367  | 28.812 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.533 | 278  | 1632906  | 28.295 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.609 | 276  | 1570974  | 28.340 | ng/ul  | 99       |

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

