

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092424\  
 Data File : BP022064.D  
 Acq On : 26 Sep 2024 15:51  
 Operator : RC/JU  
 Sample : PB163588BS  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS588

Quant Time: Sep 27 01:34:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 24 15:23:13 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2024  
 Supervised By :mohammad ahmed 09/28/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.705  | 152  | 99818    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.463 | 136  | 393605   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.316 | 164  | 328000   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.116 | 188  | 851903   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.545 | 240  | 1030931  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.827 | 264  | 1166699  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.222  | 96   | 12998    | 5.101  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 180228   | 24.742 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.893  | 99   | 230327   | 28.208 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.046  | 67   | 138983   | 27.643 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.252  | 132  | 177818   | 30.100 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.410  | 113  | 185562   | 28.680 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 88161    | 29.926 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 103248   | 30.910 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 221894   | 30.589 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.599 | 131  | 242049   | 27.966 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.722 | 166  | 754737   | 29.767 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.004 | 160  | 799709   | 29.791 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 123910   | 28.571 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 680753   | 30.353 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 138245   | 26.138 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.222 | 188  | 1187435  | 29.857 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.586 | 212  | 1610443  | 30.152 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.598 | 264  | 1895567  | 30.890 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.252  | 88   | 27182    | 9.847  | ng/uL  | 99       |
| 5) Pyridine                   | 3.652  | 79   | 175273   | 23.684 | ng/ul  | 98       |
| 6) Benzaldehyde               | 6.858  | 77   | 150862   | 32.661 | ng/ul  | 99       |
| 8) Phenol                     | 6.916  | 94   | 236472   | 27.751 | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.134  | 93   | 177272   | 27.181 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.281  | 128  | 177908   | 29.049 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.146  | 108  | 172441   | 27.903 | ng/ul  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.216  | 45   | 156488   | 25.865 | ng/ul  | 95       |
| 16) Acetophenone              | 8.516  | 105  | 306026   | 28.435 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.505  | 70   | 160599   | 28.784 | ng/ul  | 95       |
| 18) 4-Methylphenol            | 8.469  | 108  | 190246   | 28.229 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.769  | 117  | 81901    | 28.329 | ng/ul  | 92       |
| 22) Nitrobenzene              | 8.887  | 77   | 253442   | 28.138 | ng/ul  | 100      |
| 23) Isophorone                | 9.410  | 82   | 440426   | 28.230 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.587  | 139  | 107359   | 30.039 | ng/ul  | 94       |
| 26) 2,4-Dimethylphenol        | 9.652  | 107  | 197379   | 24.379 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.881  | 93   | 248262   | 27.606 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 215975   | 29.968 | ng/ul  | 99       |
| 30) Naphthalene               | 10.516 | 128  | 576926   | 27.857 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.622 | 127  | 218214   | 25.456 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.799 | 225  | 182964   | 28.594 | ng/ul  | 96       |
| 34) Caprolactam               | 11.398 | 113  | 68300m   | 31.241 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.751 | 107  | 233745   | 29.979 | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.122 | 142  | 445664   | 28.956 | ng/ul  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.345 | 142  | 447977   | 28.860 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.493 | 216  | 337050   | 27.716 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.475 | 237  | 185907   | 24.304 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.740 | 196  | 211270   | 29.061 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.810 | 196  | 234040   | 29.729 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.140 | 154  | 647316   | 27.598 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.181 | 162  | 528218   | 27.970 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.387 | 65   | 168631   | 30.881 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.769 | 163  | 723782   | 28.421 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.887 | 165  | 149083   | 30.537 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.034 | 152  | 791322   | 28.267 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.222 | 138  | 131960   | 29.689 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.381 | 153  | 573798   | 28.210 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.434 | 184  | 59721    | 17.978 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.545 | 109  | 151217   | 30.819 | ng/ul  | 89       |
| 56) Dibenzofuran              | 14.716 | 168  | 860115   | 28.442 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.681 | 165  | 234915   | 31.224 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.951 | 232  | 231311   | 30.525 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.163 | 149  | 746758   | 29.629 | ng/ul  | 98       |
| 61) Fluorene                  | 15.381 | 166  | 734470   | 29.205 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.375 | 204  | 432226   | 29.852 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.392 | 138  | 150115   | 33.183 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.469 | 198  | 143733   | 24.962 | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 15.592 | 169  | 640954   | 28.566 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248  | 304786   | 29.792 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.404 | 284  | 375534   | 30.231 | ng/ul  | 98       |
| 70) Atrazine                  | 16.575 | 200  | 260145   | 25.990 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.757 | 266  | 209202   | 25.242 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.163 | 178  | 1299998  | 29.104 | ng/ul  | 99       |
| 74) Anthracene                | 17.257 | 178  | 1325034  | 29.151 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.104 | 216  | 338011   | 26.441 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.639 | 250  | 381677   | 27.150 | ng/uL  | 99       |
| 77) Carbazole                 | 17.533 | 167  | 1178822  | 29.425 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.122 | 149  | 1420953  | 30.765 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.239 | 202  | 1788887  | 29.304 | ng/ul  | 100      |
| 82) Pyrene                    | 19.622 | 202  | 1926695  | 29.321 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.569 | 149  | 710884   | 31.042 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.451 | 252  | 628537   | 26.628 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.527 | 228  | 2069839  | 29.133 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.463 | 149  | 1039206  | 30.929 | ng/ul  | 100      |
| 87) Chrysene                  | 21.592 | 228  | 1969232  | 29.533 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.710 | 149  | 1822902  | 31.628 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.780 | 252  | 2139160  | 29.536 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.857 | 252  | 2156579  | 29.876 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.674 | 252  | 1983877  | 29.727 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.556 | 276  | 2498272m | 28.711 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.615 | 278  | 2004265  | 28.593 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 29.709 | 276  | 1928195  | 28.558 | ng/ul  | 100      |

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

