

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100924\  
 Data File : BP022326.D  
 Acq On : 10 Oct 2024 16:53  
 Operator : RC/JU  
 Sample : PB163720BS  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS720

Quant Time: Oct 11 02:33:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 08 02:14:47 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/11/2024  
 Supervised By :mohammad ahmed 10/11/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.704  | 152  | 106967   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.463 | 136  | 407384   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.310 | 164  | 324042   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.110 | 188  | 828045   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.551 | 240  | 926562   | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.833 | 264  | 1071105  | 20.000 | ng/u1  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.222  | 96   | 12347    | 4.486  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 175328   | 23.202 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.893  | 99   | 232646   | 25.838 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.040  | 67   | 133650   | 25.254 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.246  | 132  | 172218   | 26.955 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.404  | 113  | 184897   | 25.731 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 84999    | 27.136 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 102700   | 28.319 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 211084   | 27.386 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.598 | 131  | 228474   | 25.086 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.722 | 166  | 651073   | 25.288 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.998 | 160  | 716284   | 26.194 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 116866   | 27.057 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.316 | 176  | 595794   | 26.680 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.457 | 200  | 133066   | 24.434 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.216 | 188  | 1025082  | 26.316 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.592 | 212  | 1329402  | 27.132 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.609 | 264  | 1565574  | 27.369 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.258  | 88   | 25955    | 8.770  | ng/uL  | 98       |
| 5) Pyridine                   | 3.658  | 79   | 172899   | 22.315 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.863  | 77   | 126822   | 26.064 | ng/u1  | 97       |
| 8) Phenol                     | 6.922  | 94   | 234545   | 25.037 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.134  | 93   | 175824   | 25.078 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.281  | 128  | 170541   | 25.813 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.146  | 108  | 173418   | 25.508 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.216  | 45   | 198199   | 24.324 | ng/u1  | 98       |
| 16) Acetophenone              | 8.516  | 105  | 297452   | 25.074 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.499  | 70   | 150065   | 24.968 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.469  | 108  | 193224   | 25.619 | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.763  | 117  | 78863    | 25.630 | ng/u1  | 92       |
| 22) Nitrobenzene              | 8.887  | 77   | 233374   | 24.960 | ng/u1  | 99       |
| 23) Isophorone                | 9.410  | 82   | 422511   | 25.203 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.587  | 139  | 106088   | 27.144 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.651  | 107  | 187412   | 22.061 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 9.875  | 93   | 237693   | 24.971 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 203209   | 26.772 | ng/u1  | 99       |
| 30) Naphthalene               | 10.510 | 128  | 557416   | 25.689 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.622 | 127  | 189032   | 21.027 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.793 | 225  | 163612   | 25.575 | ng/u1  | 99       |
| 34) Caprolactam               | 11.398 | 113  | 61083m   | 24.962 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.751 | 107  | 225499   | 27.230 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.116 | 142  | 414239   | 26.007 | ng/u1  | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100924\  
 Data File : BP022326.D  
 Acq On : 10 Oct 2024 16:53  
 Operator : RC/JU  
 Sample : PB163720BS  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS720

Quant Time: Oct 11 02:33:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 08 02:14:47 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/11/2024  
 Supervised By :mohammad ahmed 10/11/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.340 | 142  | 410772   | 25.267 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.487 | 216  | 308895   | 25.781 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.469 | 237  | 120538   | 16.512 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.740 | 196  | 192261   | 25.510 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.810 | 196  | 217194   | 27.065 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.134 | 154  | 591186   | 25.311 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.175 | 162  | 492690   | 25.768 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.387 | 65   | 150592   | 26.377 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.775 | 163  | 628796   | 24.510 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.881 | 165  | 134764   | 27.772 | ng/ul  | 100      |
| 50) Acenaphthylene            | 14.034 | 152  | 730230   | 25.730 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.216 | 138  | 125043   | 27.436 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.375 | 153  | 514307   | 25.628 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.439 | 184  | 86812    | 24.316 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.545 | 109  | 130598   | 27.243 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.716 | 168  | 779149   | 25.847 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.686 | 165  | 211941   | 28.107 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.945 | 232  | 196435   | 26.225 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.151 | 149  | 626325   | 25.447 | ng/ul  | 99       |
| 61) Fluorene                  | 15.369 | 166  | 642671   | 26.165 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.363 | 204  | 363454   | 25.876 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.392 | 138  | 143761   | 31.347 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.475 | 198  | 142988   | 24.376 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.586 | 169  | 548408   | 24.732 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.281 | 248  | 252438   | 25.280 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.398 | 284  | 315602   | 25.677 | ng/ul  | 99       |
| 70) Atrazine                  | 16.563 | 200  | 154325   | 16.743 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.751 | 266  | 190619   | 24.120 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.157 | 178  | 1132533  | 25.564 | ng/ul  | 99       |
| 74) Anthracene                | 17.251 | 178  | 1124253  | 25.430 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.104 | 216  | 307145   | 24.361 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.628 | 250  | 331636   | 23.794 | ng/uL  | 99       |
| 77) Carbazole                 | 17.533 | 167  | 1003097  | 25.642 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.122 | 149  | 1124522  | 25.980 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.251 | 202  | 1505460  | 26.726 | ng/ul  | 100      |
| 82) Pyrene                    | 19.627 | 202  | 1634771  | 27.077 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.574 | 149  | 563475   | 26.807 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.451 | 252  | 591504   | 26.781 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.533 | 228  | 1678485  | 25.841 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.463 | 149  | 790904   | 26.213 | ng/ul  | 100      |
| 87) Chrysene                  | 21.598 | 228  | 1539091  | 25.554 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.710 | 149  | 1366996  | 26.831 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.798 | 252  | 1783182  | 26.448 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 23.862 | 252  | 1763964  | 26.723 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.680 | 252  | 1579184  | 25.449 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.568 | 276  | 2116964m | 25.565 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.645 | 278  | 1714616m | 25.571 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.727 | 276  | 1626350m | 25.251 | ng/ul  |          |

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

