

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090424\  
 Data File : BP021831.D  
 Acq On : 05 Sep 2024 00:56  
 Operator : RC/JU  
 Sample : PB163092BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS092

Quant Time: Sep 05 06:13:38 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP082324.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 05 05:03:57 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/05/2024  
 Supervised By :mohammad ahmed 09/07/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.769  | 152  | 332308   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.557 | 136  | 1429912  | 20.000 | ng/u1  | 0.01     |
| 38) Acenaphthene-d10          | 14.416 | 164  | 952042   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.228 | 188  | 2097237  | 20.000 | ng/u1  | 0.02     |
| 79) Chrysene-d12              | 21.675 | 240  | 1979962  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.086 | 264  | 2165146  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.270  | 96   | 54163    | 5.411  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.681  | 84   | 700007   | 24.179 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.946  | 99   | 941454   | 26.547 | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.105  | 67   | 497965   | 25.802 | ng/u1  | 0.01     |
| 11) 2-Chlorophenol-d4         | 7.311  | 132  | 600546   | 26.229 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.475  | 113  | 711511   | 25.964 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 8.916  | 128  | 309561   | 26.908 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.634  | 143  | 323823   | 27.731 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.175 | 165  | 605291   | 26.303 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.687 | 131  | 754430   | 22.535 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.816 | 166  | 1923809  | 26.409 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.098 | 160  | 2124191  | 25.972 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.622 | 143  | 378533   | 27.312 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.428 | 176  | 1609990  | 26.288 | ng/u1  | 0.02     |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 200  | 316323   | 27.423 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.322 | 188  | 2444857  | 24.563 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.704 | 212  | 3086706  | 27.272 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.851 | 264  | 3102421  | 26.872 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.305  | 88   | 98391    | 9.249  | ng/uL  | 98       |
| 5) Pyridine                   | 3.699  | 79   | 703235   | 24.308 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.917  | 77   | 384348   | 21.189 | ng/u1  | 99       |
| 8) Phenol                     | 6.975  | 94   | 969129   | 26.208 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.199  | 93   | 744556   | 25.903 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.346  | 128  | 638650   | 26.576 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.211  | 108  | 682998   | 25.603 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.293  | 45   | 723969   | 26.095 | ng/u1  | 99       |
| 16) Acetophenone              | 8.587  | 105  | 1137882  | 25.900 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.575  | 70   | 537898   | 25.944 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.534  | 108  | 763853   | 26.155 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.852  | 117  | 280182   | 26.075 | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.958  | 77   | 837294   | 26.101 | ng/u1  | 98       |
| 23) Isophorone                | 9.493  | 82   | 1652158  | 25.666 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.669  | 139  | 355540   | 27.480 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.734  | 107  | 616321   | 19.409 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.963  | 93   | 1036902  | 25.685 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.205 | 162  | 602285   | 26.046 | ng/u1  | 99       |
| 30) Naphthalene               | 10.605 | 128  | 2044940  | 25.375 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.710 | 127  | 705862   | 20.884 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.893 | 225  | 381732   | 24.604 | ng/u1  | 98       |
| 34) Caprolactam               | 11.493 | 113  | 248175   | 25.380 | ng/u1  | 96       |
| 35) 4-Chloro-3-methylphenol   | 11.840 | 107  | 837752   | 27.373 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.216 | 142  | 1387183  | 25.448 | ng/u1  | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090424\  
 Data File : BP021831.D  
 Acq On : 05 Sep 2024 00:56  
 Operator : RC/JU  
 Sample : PB163092BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS092

Quant Time: Sep 05 06:13:38 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP082324.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 05 05:03:57 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/05/2024  
 Supervised By :mohammad ahmed 09/07/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.440 | 142  | 1406491  | 25.653 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.587 | 216  | 747753   | 24.920 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.569 | 237  | 329156   | 19.117 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.828 | 196  | 439836   | 22.766 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.904 | 196  | 508185   | 24.360 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.234 | 154  | 1856139  | 25.769 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.275 | 162  | 1448058  | 25.640 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.475 | 65   | 504189   | 28.497 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.863 | 163  | 1910889  | 26.197 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.981 | 165  | 389713   | 28.969 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.128 | 152  | 2378541  | 27.040 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.316 | 138  | 403986   | 27.481 | ng/ul | 98       |
| 52) Acenaphthene              | 14.475 | 153  | 1565265  | 25.304 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.522 | 184  | 203568   | 25.276 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.640 | 109  | 355930   | 28.048 | ng/ul | 93       |
| 56) Dibenzofuran              | 14.822 | 168  | 2206685  | 25.785 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.781 | 165  | 584319   | 28.905 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.057 | 232  | 371285   | 20.658 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.251 | 149  | 1959507  | 26.751 | ng/ul | 98       |
| 61) Fluorene                  | 15.481 | 166  | 1806992  | 26.105 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.475 | 204  | 894777   | 25.726 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.498 | 138  | 448707   | 31.582 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.563 | 198  | 335306   | 25.987 | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 15.693 | 169  | 1558627  | 25.263 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.387 | 248  | 572618   | 24.733 | ng/ul | 94       |
| 69) Hexachlorobenzene         | 16.510 | 284  | 679688   | 24.729 | ng/ul | 96       |
| 70) Atrazine                  | 16.669 | 200  | 18148    | 0.775  | ng/ul | 92       |
| 71) Pentachlorophenol         | 16.869 | 266  | 308972   | 17.564 | ng/ul | 99       |
| 72) Phenanthrene              | 17.269 | 178  | 3017647  | 26.209 | ng/ul | 99       |
| 74) Anthracene                | 17.357 | 178  | 2896285  | 24.830 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.199 | 216  | 748917   | 24.019 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.740 | 250  | 742877   | 22.986 | ng/uL | 100      |
| 77) Carbazole                 | 17.639 | 167  | 2796211  | 26.653 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.239 | 149  | 3504955  | 27.446 | ng/ul | 100      |
| 80) Fluoranthene              | 19.357 | 202  | 3638610  | 27.549 | ng/ul | 99       |
| 82) Pyrene                    | 19.733 | 202  | 3714717  | 26.556 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.675 | 149  | 1624632  | 28.366 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.580 | 252  | 1170112  | 23.451 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.657 | 228  | 3684906  | 26.163 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.604 | 149  | 2406548  | 28.469 | ng/ul | 99       |
| 87) Chrysene                  | 21.727 | 228  | 3476839  | 26.230 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.904 | 149  | 4048282  | 29.538 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 24.004 | 252  | 3768574  | 27.817 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 24.069 | 252  | 3752012  | 28.290 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.921 | 252  | 3316292  | 26.570 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.927 | 276  | 4168230m | 25.901 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 29.015 | 278  | 3411893m | 26.384 | ng/ul |          |
| 96) Benzo(g,h,i)perylene      | 30.139 | 276  | 3314162  | 26.653 | ng/ul | 99       |

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

