

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100224\  
 Data File : BP022183.D  
 Acq On : 03 Oct 2024 05:41  
 Operator : RC/JU  
 Sample : PB163489BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS489

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/04/2024  
 Supervised By :mohammad ahmed 10/05/2024

Quant Time: Oct 03 06:25:49 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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.699  | 152  | 150720   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.457 | 136  | 589976   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.310 | 164  | 448586   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.098 | 188  | 1034065  | 20.000 | ng/u1  | -0.02    |
| 79) Chrysene-d12              | 21.527 | 240  | 975486   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.810 | 264  | 1139671  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.223  | 96   | 13166    | 3.422  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 211540   | 19.233 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.887  | 99   | 298161   | 24.184 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.040  | 67   | 170443   | 22.451 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.246  | 132  | 233111   | 26.133 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.405  | 113  | 242775   | 24.850 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 114604   | 25.953 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.552  | 143  | 136949   | 27.353 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 281925   | 25.929 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.593 | 131  | 304998   | 23.510 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 880893   | 25.403 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.998 | 160  | 935363   | 25.477 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 138112   | 23.285 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.310 | 176  | 760520   | 24.794 | ng/u1  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 149127   | 23.229 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.216 | 188  | 1207755  | 25.019 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.575 | 212  | 1443831  | 28.569 | ng/u1  | -0.02    |
| 92) Benzo(a)pyrene-d12        | 24.592 | 264  | 1497991  | 24.990 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.258  | 88   | 30774    | 7.383  | ng/uL  | 97       |
| 5) Pyridine                   | 3.652  | 79   | 214670   | 19.211 | ng/u1  | 100      |
| 6) Benzaldehyde               | 6.852  | 77   | 130674   | 18.736 | ng/u1  | 93       |
| 8) Phenol                     | 6.916  | 94   | 341339   | 26.529 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.134  | 93   | 255390   | 25.934 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.275  | 128  | 262618   | 28.399 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.140  | 108  | 249724   | 26.762 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.222  | 45   | 229564   | 25.129 | ng/u1  | 97       |
| 16) Acetophenone              | 8.510  | 105  | 434519   | 26.739 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.499  | 70   | 223019   | 26.472 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.469  | 108  | 277243   | 27.245 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.763  | 117  | 117951   | 27.020 | ng/u1  | 94       |
| 22) Nitrobenzene              | 8.881  | 77   | 330955   | 24.514 | ng/u1  | 96       |
| 23) Isophorone                | 9.405  | 82   | 627416   | 26.830 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.581  | 139  | 158856   | 29.653 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.646  | 107  | 256216   | 21.112 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.875  | 93   | 348084   | 25.823 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.116 | 162  | 302847   | 28.035 | ng/u1  | 98       |
| 30) Naphthalene               | 10.510 | 128  | 829706   | 26.728 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.616 | 127  | 288715   | 22.470 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.793 | 225  | 248061   | 25.864 | ng/u1  | 99       |
| 34) Caprolactam               | 11.399 | 113  | 74970    | 22.878 | ng/u1  | 89       |
| 35) 4-Chloro-3-methylphenol   | 11.746 | 107  | 326917   | 27.973 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.110 | 142  | 618055   | 26.791 | ng/u1  | 98       |

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### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.334 | 142  | 633032   | 27.208 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.487 | 216  | 451069   | 27.121 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 12.469 | 237  | 207084   | 19.795 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.728 | 196  | 248182   | 24.962 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.810 | 196  | 286979   | 26.655 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.134 | 154  | 883011   | 27.526 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.175 | 162  | 717644   | 27.785 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.381 | 65   | 202186   | 27.073 | ng/ul  | 89       |
| 47) Dimethylphthalate         | 13.763 | 163  | 963222   | 27.656 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.881 | 165  | 198521   | 29.732 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.028 | 152  | 1094182  | 28.579 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.216 | 138  | 178018   | 29.285 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.375 | 153  | 734272   | 26.395 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.428 | 184  | 105830   | 23.295 | ng/ul  | 99       |
| 55) 4-Nitrophenol             | 14.545 | 109  | 160450   | 23.911 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.710 | 168  | 1108461  | 26.801 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.675 | 165  | 294508   | 28.622 | ng/ul  | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.945 | 232  | 224902   | 21.701 | ng/ul  | 100      |
| 59) Diethylphthalate          | 15.151 | 149  | 935650   | 27.145 | ng/ul  | 99       |
| 61) Fluorene                  | 15.369 | 166  | 912790   | 26.539 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.363 | 204  | 522967   | 26.410 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.392 | 138  | 187959   | 30.380 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 177508   | 25.397 | ng/ul  | 95       |
| 67) N-Nitrosodiphenylamine    | 15.587 | 169  | 787970   | 28.932 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.281 | 248  | 373862   | 30.107 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.392 | 284  | 470507   | 31.204 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 16.751 | 266  | 198098   | 19.691 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.145 | 178  | 1512145  | 27.890 | ng/ul  | 99       |
| 74) Anthracene                | 17.251 | 178  | 1503518  | 27.251 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.098 | 216  | 471002   | 30.353 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.634 | 250  | 455209   | 26.676 | ng/uL  | 99       |
| 77) Carbazole                 | 17.522 | 167  | 1322514  | 27.197 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.110 | 149  | 1605843  | 28.643 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.233 | 202  | 1862085  | 32.236 | ng/ul  | 98       |
| 82) Pyrene                    | 19.610 | 202  | 1930641  | 31.051 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.557 | 149  | 711104   | 32.817 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.433 | 252  | 669169   | 29.961 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.510 | 228  | 1870016  | 27.817 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.445 | 149  | 986302   | 31.023 | ng/ul  | 99       |
| 87) Chrysene                  | 21.574 | 228  | 1735557  | 27.508 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.698 | 149  | 1685237  | 29.933 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.774 | 252  | 1946399  | 27.512 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.845 | 252  | 1936909  | 27.469 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.663 | 252  | 1636236  | 25.100 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.527 | 276  | 2376441  | 27.958 | ng/ul# | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.598 | 278  | 1916053  | 27.983 | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 29.668 | 276  | 1833065m | 27.793 | ng/ul  |          |

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

