

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071024\  
 Data File : BP020889.D  
 Acq On : 10 Jul 2024 21:04  
 Operator : MA/JU  
 Sample : PB161825BS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS825

Quant Time: Jul 11 00:22:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 10 18:38:19 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/11/2024  
 Supervised By :mohammad ahmed 07/11/2024

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.716  | 152  | 262227   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.498 | 136  | 1051942  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.363 | 164  | 684024   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.175 | 188  | 1346099  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.627 | 240  | 1131280  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.986 | 264  | 1373777  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.252  | 96   | 35710    | 6.197  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.669  | 84   | 393287   | 23.574 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.916  | 99   | 592124   | 27.697 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.063  | 67   | 365700   | 28.226 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.269  | 132  | 485272   | 27.550 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.434  | 113  | 479330   | 26.995 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.881  | 128  | 240119   | 29.388 | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.587  | 143  | 281144   | 30.063 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.128 | 165  | 496317   | 29.350 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.640 | 131  | 534859   | 23.876 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.769 | 166  | 1421210  | 28.581 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.051 | 160  | 1592010  | 28.513 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.598 | 143  | 221737   | 31.342 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.369 | 176  | 1174546  | 28.792 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.516 | 200  | 249051   | 30.579 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.275 | 188  | 1709106  | 28.587 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.663 | 212  | 1929133  | 27.583 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.751 | 264  | 1975209  | 29.152 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.287  | 88   | 59514    | 9.390  | ng/uL  | 95       |
| 5) Pyridine                   | 3.687  | 79   | 434796   | 25.268 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.887  | 77   | 286349   | 26.568 | ng/u1  | 98       |
| 8) Phenol                     | 6.946  | 94   | 607558   | 28.085 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.157  | 93   | 489323   | 27.381 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.299  | 128  | 492400   | 27.892 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.169  | 108  | 459250   | 27.450 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.246  | 45   | 716802   | 27.763 | ng/u1  | 97       |
| 16) Acetophenone              | 8.546  | 105  | 746542   | 27.241 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.528  | 70   | 382706   | 26.653 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.499  | 108  | 493421   | 27.529 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.775  | 117  | 216347   | 27.271 | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.922  | 77   | 565320   | 28.883 | ng/u1  | 100      |
| 23) Isophorone                | 9.440  | 82   | 1079890  | 27.753 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.622  | 139  | 293415   | 30.084 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.687  | 107  | 441132   | 22.937 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.910  | 93   | 662736   | 28.021 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.151 | 162  | 491844   | 29.513 | ng/u1  | 99       |
| 30) Naphthalene               | 10.546 | 128  | 1536064  | 27.760 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.663 | 127  | 512938   | 23.978 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.810 | 225  | 352656   | 28.222 | ng/u1  | 98       |
| 34) Caprolactam               | 11.469 | 113  | 150084m  | 29.234 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.798 | 107  | 530588   | 29.290 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.157 | 142  | 1078848  | 28.404 | ng/u1  | 97       |

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|-------------------------------|--------|------|----------|--------|--------|----------|------------|
| 37) 1-Methylnaphthalene       | 12.369 | 142  | 1069480  | 27.377 | ng/ul  | 98       | 07/11/2024 |
| 39) 1,2,4,5-Tetrachloroben... | 12.528 | 216  | 648373   | 29.187 | ng/ul  | 97       |            |
| 40) Hexachlorocyclopentadiene | 12.493 | 237  | 264879   | 22.794 | ng/ul  | 99       |            |
| 41) 2,4,6-Trichlorophenol     | 12.775 | 196  | 374486   | 26.679 | ng/ul  | 98       |            |
| 42) 2,4,5-Trichlorophenol     | 12.863 | 196  | 415447   | 27.973 | ng/ul  | 99       |            |
| 43) 1,1'-Biphenyl             | 13.175 | 154  | 1407477  | 28.155 | ng/ul  | 99       |            |
| 44) 2-Chloronaphthalene       | 13.222 | 162  | 1108030  | 27.765 | ng/ul  | 100      |            |
| 45) 2-Nitroaniline            | 13.440 | 65   | 330023   | 29.904 | ng/ul  | 98       |            |
| 47) Dimethylphthalate         | 13.810 | 163  | 1391455  | 27.579 | ng/ul  | 100      |            |
| 48) 2,6-Dinitrotoluene        | 13.939 | 165  | 293699   | 29.116 | ng/ul  | 99       |            |
| 50) Acenaphthylene            | 14.081 | 152  | 1734663  | 27.440 | ng/ul  | 99       |            |
| 51) 3-Nitroaniline            | 14.275 | 138  | 262015   | 29.849 | ng/ul  | 97       |            |
| 52) Acenaphthene              | 14.422 | 153  | 1149369  | 27.393 | ng/ul  | 98       |            |
| 53) 2,4-Dinitrophenol         | 14.498 | 184  | 161234   | 30.437 | ng/ul  | 98       |            |
| 55) 4-Nitrophenol             | 14.616 | 109  | 177796   | 30.894 | ng/ul  | 97       |            |
| 56) Dibenzofuran              | 14.769 | 168  | 1622334  | 28.235 | ng/ul  | 98       |            |
| 57) 2,4-Dinitrotoluene        | 14.751 | 165  | 412875   | 29.817 | ng/ul  | 96       |            |
| 58) 2,3,4,6-Tetrachlorophenol | 14.998 | 232  | 314949   | 24.765 | ng/ul  | 98       |            |
| 59) Diethylphthalate          | 15.204 | 149  | 1440120  | 28.561 | ng/ul  | 100      |            |
| 61) Fluorene                  | 15.428 | 166  | 1302772  | 27.785 | ng/ul  | 99       |            |
| 62) 4-Chlorophenyl-phenyle... | 15.422 | 204  | 698604   | 27.458 | ng/ul  | 98       |            |
| 63) 4-Nitroaniline            | 15.469 | 138  | 250814   | 34.504 | ng/ul  | 99       |            |
| 66) 4,6-Dinitro-2-methylph... | 15.534 | 198  | 260631   | 30.176 | ng/ul# | 96       |            |
| 67) N-Nitrosodiphenylamine    | 15.651 | 169  | 1122084  | 28.626 | ng/ul  | 99       |            |
| 68) 4-Bromophenyl-phenylether | 16.339 | 248  | 444699   | 28.185 | ng/ul  | 97       |            |
| 69) Hexachlorobenzene         | 16.445 | 284  | 523324   | 28.928 | ng/ul  | 99       |            |
| 70) Atrazine                  | 16.633 | 200  | 88725    | 6.211  | ng/ul  | 98       |            |
| 71) Pentachlorophenol         | 16.816 | 266  | 233510   | 23.766 | ng/ul  | 97       |            |
| 72) Phenanthrene              | 17.216 | 178  | 2001911  | 28.668 | ng/ul  | 99       |            |
| 74) Anthracene                | 17.316 | 178  | 1987423  | 27.917 | ng/ul  | 100      |            |
| 75) 1,2,3,4-Tetrachloroben... | 13.140 | 216  | 630124   | 29.247 | ng/ul  | 98       |            |
| 76) Pentachlorobenzene        | 14.681 | 250  | 606438   | 28.327 | ng/ul  | 99       |            |
| 77) Carbazole                 | 17.604 | 167  | 1722818  | 29.604 | ng/ul  | 99       |            |
| 78) Di-n-butylphthalate       | 18.180 | 149  | 2377214  | 29.608 | ng/ul  | 100      |            |
| 80) Fluoranthene              | 19.316 | 202  | 2251171  | 26.653 | ng/ul  | 100      |            |
| 82) Pyrene                    | 19.692 | 202  | 2333701  | 27.152 | ng/ul  | 98       |            |
| 83) Butylbenzylphthalate      | 20.633 | 149  | 1008325  | 28.157 | ng/ul  | 97       |            |
| 84) 3,3'-Dichlorobenzidine    | 21.533 | 252  | 722679   | 27.956 | ng/ul  | 99       |            |
| 85) Benzo(a)anthracene        | 21.610 | 228  | 2262338  | 28.548 | ng/ul  | 100      |            |
| 86) Bis(2-ethylhexyl)phtha... | 21.527 | 149  | 1453996  | 28.214 | ng/ul  | 100      |            |
| 87) Chrysene                  | 21.680 | 228  | 2107471  | 28.620 | ng/ul  | 100      |            |
| 89) Di-n-octyl phthalate      | 22.798 | 149  | 2556883  | 28.174 | ng/ul  | 100      |            |
| 90) Benzo(b)fluoranthene      | 23.921 | 252  | 2332084  | 27.974 | ng/ul  | 98       |            |
| 91) Benzo(k)fluoranthene      | 23.992 | 252  | 2345467  | 28.191 | ng/ul  | 99       |            |
| 93) Benzo(a)pyrene            | 24.827 | 252  | 2078563  | 26.384 | ng/ul  | 99       |            |
| 94) Indeno(1,2,3-cd)pyrene    | 28.809 | 276  | 3017640m | 29.726 | ng/ul  |          |            |
| 95) Dibenzo(a,h)anthracene    | 28.868 | 278  | 2474484m | 29.436 | ng/ul  |          |            |
| 96) Benzo(g,h,i)perylene      | 29.974 | 276  | 2373153  | 28.704 | ng/ul  | 99       |            |

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

