

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070824\  
 Data File : BP020859.D  
 Acq On : 09 Jul 2024 11:08  
 Operator : MA/JU  
 Sample : P3035-02MS  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4CW2MS

Quant Time: Jul 09 23:39:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 03 15:01:56 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 199546   | 20.000 | ng/u1 | -0.01    |
| 20) Naphthalene-d8            | 10.492 | 136  | 831895   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.363 | 164  | 548335   | 20.000 | ng/u1 | 0.01     |
| 64) Phenanthrene-d10          | 17.174 | 188  | 1135080  | 20.000 | ng/u1 | 0.01     |
| 79) Chrysene-d12              | 21.639 | 240  | 1046223  | 20.000 | ng/u1 | 0.02     |
| 88) Perylene-d12              | 24.997 | 264  | 1238017  | 20.000 | ng/u1 | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.263  | 96   | 22764    | 4.899  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.681  | 84   | 95061    | 7.019  | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 6.922  | 99   | 563506   | 34.430 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.069  | 67   | 329410   | 31.748 | ng/u1 | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.269  | 132  | 467765   | 34.970 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.439  | 113  | 427731   | 32.179 | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 8.881  | 128  | 232908   | 37.921 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.586  | 143  | 268863   | 43.744 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.128 | 165  | 485125   | 38.318 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.645 | 131  | 288170   | 16.241 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 13.763 | 166  | 1416973  | 37.166 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.051 | 160  | 1588893  | 34.926 | ng/u1 | 0.01     |
| 54) 4-Nitrophenol-d4          | 14.604 | 143  | 221212   | 37.975 | ng/u1 | 0.02     |
| 60) Fluorene-d10              | 15.374 | 176  | 1191684  | 37.145 | ng/u1 | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.521 | 200  | 211429   | 36.962 | ng/u1 | 0.02     |
| 73) Anthracene-d10            | 17.286 | 188  | 1821774  | 35.761 | ng/u1 | 0.02     |
| 81) Pyrene-d10                | 19.668 | 212  | 1918589  | 30.525 | ng/u1 | 0.02     |
| 92) Benzo(a)pyrene-d12        | 24.756 | 264  | 1494261  | 24.813 | ng/u1 | 0.02     |
| Target Compounds              |        |      |          |        |       |          |
| 2) 1,4-Dioxane                | 3.293  | 88   | 56169    | 10.801 | ng/uL | 99       |
| 5) Pyridine                   | 3.699  | 79   | 161724   | 11.528 | ng/u1 | 99       |
| 6) Benzaldehyde               | 6.892  | 77   | 196167   | 23.701 | ng/u1 | 96       |
| 8) Phenol                     | 6.945  | 94   | 607345   | 36.390 | ng/u1 | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.163  | 93   | 448780   | 32.479 | ng/u1 | 97       |
| 12) 2-Chlorophenol            | 7.298  | 128  | 478004   | 35.549 | ng/u1 | 100      |
| 13) 2-Methylphenol            | 8.181  | 108  | 446443   | 34.864 | ng/u1 | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.245  | 45   | 640594   | 30.506 | ng/u1 | 99       |
| 16) Acetophenone              | 8.545  | 105  | 752057   | 35.428 | ng/u1 | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.528  | 70   | 358438   | 31.767 | ng/u1 | 97       |
| 18) 4-Methylphenol            | 8.498  | 108  | 491098   | 36.231 | ng/u1 | 98       |
| 19) Hexachloroethane          | 8.781  | 117  | 155508   | 26.641 | ng/u1 | 94       |
| 22) Nitrobenzene              | 8.922  | 77   | 534560   | 33.574 | ng/u1 | 98       |
| 23) Isophorone                | 9.439  | 82   | 1030331  | 32.660 | ng/u1 | 99       |
| 25) 2-Nitrophenol             | 9.622  | 139  | 282788   | 42.604 | ng/u1 | 92       |
| 26) 2,4-Dimethylphenol        | 9.686  | 107  | 396721   | 25.662 | ng/u1 | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.910  | 93   | 616911   | 32.871 | ng/u1 | 99       |
| 29) 2,4-Dichlorophenol        | 10.157 | 162  | 473440   | 37.780 | ng/u1 | 96       |
| 30) Naphthalene               | 10.539 | 128  | 1512793  | 33.975 | ng/u1 | 99       |
| 32) 4-Chloroaniline           | 10.669 | 127  | 302937   | 17.734 | ng/u1 | 99       |
| 33) Hexachlorobutadiene       | 10.810 | 225  | 329000   | 35.117 | ng/u1 | 99       |
| 34) Caprolactam               | 11.475 | 113  | 132560   | 34.761 | ng/u1 | 92       |
| 35) 4-Chloro-3-methylphenol   | 11.804 | 107  | 525994   | 38.016 | ng/u1 | 97       |
| 36) 2-Methylnaphthalene       | 12.163 | 142  | 1060963  | 35.571 | ng/u1 | 99       |

07/10/2024  
 Supervised By :mohammad  
 Ahmed

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |                                  |
|-------------------------------|--------|------|----------|--------|--------|----------|----------------------------------|
| 37) 1-Methylnaphthalene       | 12.375 | 142  | 1089285  | 35.725 | ng/ul  | 99       | 07/10/2024                       |
| 39) 1,2,4,5-Tetrachloroben... | 12.533 | 216  | 617179   | 35.205 | ng/ul  | 98       | Supervised By :mohammad<br>ahmed |
| 40) Hexachlorocyclopentadiene | 12.498 | 237  | 162026   | 14.849 | ng/ul  | 98       |                                  |
| 41) 2,4,6-Trichlorophenol     | 12.780 | 196  | 407552   | 38.969 | ng/ul  | 97       |                                  |
| 42) 2,4,5-Trichlorophenol     | 12.863 | 196  | 439441   | 40.513 | ng/ul  | 97       |                                  |
| 43) 1,1'-Biphenyl             | 13.186 | 154  | 1392935  | 33.967 | ng/ul  | 98       |                                  |
| 44) 2-Chloronaphthalene       | 13.227 | 162  | 1101083  | 34.091 | ng/ul  | 99       | 07/10/2024                       |
| 45) 2-Nitroaniline            | 13.445 | 65   | 336884   | 41.410 | ng/ul  | 90       |                                  |
| 47) Dimethylphthalate         | 13.810 | 163  | 1381136  | 35.563 | ng/ul  | 99       |                                  |
| 48) 2,6-Dinitrotoluene        | 13.951 | 165  | 296612   | 42.832 | ng/ul  | 92       |                                  |
| 50) Acenaphthylene            | 14.080 | 152  | 1747636  | 34.009 | ng/ul  | 99       |                                  |
| 51) 3-Nitroaniline            | 14.280 | 138  | 235717   | 36.623 | ng/ul  | 95       |                                  |
| 52) Acenaphthene              | 14.427 | 153  | 1143683  | 33.551 | ng/ul  | 99       |                                  |
| 53) 2,4-Dinitrophenol         | 14.492 | 184  | 142473   | 39.663 | ng/ul  | 98       |                                  |
| 55) 4-Nitrophenol             | 14.621 | 109  | 199319   | 38.236 | ng/ul  | 96       |                                  |
| 56) Dibenzofuran              | 14.769 | 168  | 1629741  | 35.480 | ng/ul  | 100      |                                  |
| 57) 2,4-Dinitrotoluene        | 14.751 | 165  | 428072   | 44.782 | ng/ul  | 95       |                                  |
| 58) 2,3,4,6-Tetrachlorophenol | 15.010 | 232  | 370769   | 41.387 | ng/ul  | 94       |                                  |
| 59) Diethylphthalate          | 15.204 | 149  | 1393226  | 36.369 | ng/ul  | 99       |                                  |
| 61) Fluorene                  | 15.433 | 166  | 1320195  | 35.771 | ng/ul  | 98       |                                  |
| 62) 4-Chlorophenyl-phenyle... | 15.433 | 204  | 672955   | 34.942 | ng/ul  | 96       |                                  |
| 63) 4-Nitroaniline            | 15.469 | 138  | 272255m  | 44.571 | ng/ul  |          |                                  |
| 66) 4,6-Dinitro-2-methylph... | 15.533 | 198  | 227683   | 37.158 | ng/ul  | 92       |                                  |
| 67) N-Nitrosodiphenylamine    | 15.651 | 169  | 1129371  | 33.738 | ng/ul  | 99       |                                  |
| 68) 4-Bromophenyl-phenylether | 16.339 | 248  | 455075   | 35.943 | ng/ul  | 94       |                                  |
| 69) Hexachlorobenzene         | 16.457 | 284  | 418786   | 29.548 | ng/ul  | 94       |                                  |
| 70) Atrazine                  | 16.633 | 200  | 297779   | 25.233 | ng/ul  | 99       |                                  |
| 71) Pentachlorophenol         | 16.821 | 266  | 285897   | 35.038 | ng/ul  | 97       |                                  |
| 72) Phenanthrene              | 17.221 | 178  | 2556476  | 43.010 | ng/ul  | 100      |                                  |
| 74) Anthracene                | 17.321 | 178  | 2148485  | 35.140 | ng/ul  | 100      |                                  |
| 75) 1,2,3,4-Tetrachloroben... | 13.145 | 216  | 638003   | 34.627 | ng/ul  | 99       |                                  |
| 76) Pentachlorobenzene        | 14.686 | 250  | 519472   | 29.581 | ng/ul  | 99       |                                  |
| 77) Carbazole                 | 17.604 | 167  | 1801979  | 35.712 | ng/ul  | 99       |                                  |
| 78) Di-n-butylphthalate       | 18.174 | 149  | 2468235  | 37.662 | ng/ul  | 100      |                                  |
| 80) Fluoranthene              | 19.315 | 202  | 3626329  | 47.233 | ng/ul  | 98       |                                  |
| 82) Pyrene                    | 19.698 | 202  | 2997656  | 38.071 | ng/ul  | 99       |                                  |
| 83) Butylbenzylphthalate      | 20.645 | 149  | 1130067  | 38.652 | ng/ul  | 95       |                                  |
| 84) 3,3'-Dichlorobenzidine    | 21.539 | 252  | 249252   | 10.775 | ng/ul  | 96       |                                  |
| 85) Benzo(a)anthracene        | 21.615 | 228  | 3104837  | 42.340 | ng/ul  | 98       |                                  |
| 86) Bis(2-ethylhexyl)phtha... | 21.545 | 149  | 1792000  | 39.475 | ng/ul# | 98       |                                  |
| 87) Chrysene                  | 21.686 | 228  | 3050520  | 44.010 | ng/ul  | 100      |                                  |
| 89) Di-n-octyl phthalate      | 22.815 | 149  | 2810737  | 35.366 | ng/ul  | 100      |                                  |
| 90) Benzo(b)fluoranthene      | 23.933 | 252  | 3657733  | 48.769 | ng/ul  | 99       |                                  |
| 91) Benzo(k)fluoranthene      | 24.009 | 252  | 2909007  | 38.344 | ng/ul  | 99       |                                  |
| 93) Benzo(a)pyrene            | 24.839 | 252  | 1609231  | 22.729 | ng/ul  | 98       |                                  |
| 94) Indeno(1,2,3-cd)pyrene    | 28.815 | 276  | 2884446m | 31.763 | ng/ul  |          |                                  |
| 95) Dibenzo(a,h)anthracene    | 28.880 | 278  | 2806914m | 37.608 | ng/ul  |          |                                  |
| 96) Benzo(g,h,i)perylene      | 29.974 | 276  | 300832   | 4.057  | ng/ul  | 94       |                                  |

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

