

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP103024\  
 Data File : BP022806.D  
 Acq On : 01 Nov 2024 16:06  
 Operator : RC/JU  
 Sample : P4630-11MS  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 GCP06MS

Quant Time: Nov 01 17:27:20 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 30 10:56:39 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024  
 Supervised By :mohammad ahmed 11/05/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.628  | 152  | 65382    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.381 | 136  | 245499   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.251 | 164  | 190839   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.069 | 188  | 479876   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.510 | 240  | 604460   | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.774 | 264  | 692449   | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 5821     | 3.460  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 34377    | 7.443  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.822  | 99   | 36102    | 6.560  | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 6.975  | 67   | 79112    | 24.457 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.169  | 132  | 93258    | 23.880 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.334  | 113  | 72822    | 16.580 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 8.775  | 128  | 51848    | 27.467 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.487  | 143  | 62583    | 28.637 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.028 | 165  | 128259   | 27.613 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.528 | 131  | 109965   | 20.036 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.669 | 166  | 440901   | 29.078 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.940 | 160  | 455249   | 28.269 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.510 | 143  | 12114    | 4.762  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.263 | 176  | 388443   | 29.536 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.422 | 200  | 78793    | 24.966 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.175 | 188  | 716453   | 31.737 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.545 | 212  | 956501   | 29.923 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.533 | 264  | 1203591  | 32.547 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.211  | 88   | 6591     | 3.643  | ng/uL# | 89       |
| 5) Pyridine                   | 3.611  | 79   | 42068    | 8.883  | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.799  | 77   | 4493     | 1.511  | ng/u1  | 86       |
| 8) Phenol                     | 6.852  | 94   | 53749    | 9.387  | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.063  | 93   | 39376    | 9.188  | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.205  | 128  | 40993    | 10.151 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.081  | 108  | 38221    | 9.198  | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.140  | 45   | 44667    | 8.968  | ng/u1# | 94       |
| 16) Acetophenone              | 8.440  | 105  | 65633    | 9.051  | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.428  | 70   | 34239    | 9.320  | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.405  | 108  | 43815    | 9.504  | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.681  | 117  | 18319    | 9.740  | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.816  | 77   | 53541    | 9.502  | ng/u1  | 98       |
| 23) Isophorone                | 9.328  | 82   | 89685    | 8.878  | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.516  | 139  | 23580    | 10.012 | ng/u1  | 91       |
| 26) 2,4-Dimethylphenol        | 9.581  | 107  | 52703    | 10.295 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 9.804  | 93   | 51468    | 8.972  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.052 | 162  | 47971    | 10.488 | ng/u1  | 95       |
| 30) Naphthalene               | 10.428 | 128  | 129566   | 9.909  | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.551 | 127  | 28350    | 5.233  | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.710 | 225  | 40785    | 10.579 | ng/u1  | 97       |
| 34) Caprolactam               | 11.340 | 113  | 11754m   | 7.971  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.693 | 107  | 47161    | 9.450  | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.040 | 142  | 95982    | 10.000 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.275 | 142  | 94737    | 9.670  | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.416 | 216  | 73868    | 10.468 | ng/ul  | 93       |
| 40) Hexachlorocyclopentadiene | 12.387 | 237  | 18383    | 4.276  | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.675 | 196  | 44143    | 9.945  | ng/ul  | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.763 | 196  | 47422    | 10.034 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.069 | 154  | 140917   | 10.244 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.110 | 162  | 110427   | 9.807  | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.340 | 65   | 29419    | 8.750  | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.716 | 163  | 142346   | 9.421  | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 13.834 | 165  | 26909    | 9.416  | ng/ul  | 98       |
| 50) Acenaphthylene            | 13.969 | 152  | 164468   | 9.840  | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.175 | 138  | 23302    | 8.681  | ng/ul# | 94       |
| 52) Acenaphthene              | 14.322 | 153  | 116460   | 9.854  | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.422 | 184  | 12699    | 6.040  | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.528 | 109  | 20212    | 7.159  | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.669 | 168  | 181021   | 10.196 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.657 | 165  | 42275    | 9.520  | ng/ul# | 76       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.898 | 232  | 43808    | 9.931  | ng/ul# | 99       |
| 59) Diethylphthalate          | 15.104 | 149  | 139722   | 9.639  | ng/ul  | 99       |
| 61) Fluorene                  | 15.316 | 166  | 145621   | 10.067 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.322 | 204  | 83923    | 10.145 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.375 | 138  | 26225m   | 9.710  | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.434 | 198  | 27975    | 8.229  | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine    | 15.539 | 169  | 126719   | 9.861  | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.234 | 248  | 58807    | 10.162 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.351 | 284  | 77260    | 10.846 | ng/ul  | 96       |
| 70) Atrazine                  | 16.522 | 200  | 53285    | 9.975  | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.722 | 266  | 43207    | 9.434  | ng/ul  | 95       |
| 72) Phenanthrene              | 17.116 | 178  | 255082   | 9.935  | ng/ul  | 99       |
| 74) Anthracene                | 17.210 | 178  | 255160   | 9.959  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.040 | 216  | 73545    | 10.065 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.581 | 250  | 78805    | 9.756  | ng/uL  | 98       |
| 77) Carbazole                 | 17.498 | 167  | 222641   | 9.821  | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.069 | 149  | 236713   | 9.437  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.198 | 202  | 337775   | 9.192  | ng/ul  | 99       |
| 82) Pyrene                    | 19.580 | 202  | 366343   | 9.301  | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.522 | 149  | 120668   | 8.800  | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.410 | 252  | 98242    | 6.818  | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.492 | 228  | 403064   | 9.512  | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.410 | 149  | 173854   | 8.833  | ng/ul  | 100      |
| 87) Chrysene                  | 21.551 | 228  | 373686   | 9.511  | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.651 | 149  | 300367   | 9.119  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.721 | 252  | 431249   | 9.894  | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 23.792 | 252  | 422483m  | 9.900  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.604 | 252  | 387200   | 9.652  | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.456 | 276  | 514435m  | 9.610  | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.527 | 278  | 415428m  | 9.583  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.615 | 276  | 390321m  | 9.374  | ng/ul  |          |

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

