

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
 Data File : BP021424.D  
 Acq On : 07 Aug 2024 17:57  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Aug 07 18:55:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 29 12:46:18 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh

Patel

08/08/2024

Supervised By :mohammad

ahmed

08/09/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.616  | 152  | 126027   | 20.000 | ng/u1  | -0.02    |
| 20) Naphthalene-d8            | 10.381 | 136  | 520309   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.251 | 164  | 348728   | 20.000 | ng/u1  | -0.02    |
| 64) Phenanthrene-d10          | 17.075 | 188  | 767279   | 20.000 | ng/u1  | -0.02    |
| 79) Chrysene-d12              | 21.527 | 240  | 806743   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.821 | 264  | 912804   | 20.000 | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.152  | 96   | 23911    | 8.634  | ng/uL  | -0.02    |
| 4) Pyridine-d5                | 3.581  | 84   | 133411   | 16.639 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.846  | 99   | 184471   | 17.954 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.969  | 67   | 117272   | 18.834 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.169  | 132  | 155014   | 18.311 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.357  | 113  | 143364   | 16.800 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.781  | 128  | 74658    | 18.474 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.493  | 143  | 83228    | 17.993 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.063 | 165  | 155218   | 18.558 | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.557 | 131  | 224013m  | 20.217 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.675 | 166  | 438033   | 17.279 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.951 | 160  | 507484   | 17.828 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.604 | 143  | 58779    | 16.296 | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.275 | 176  | 424437   | 20.408 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 200  | 69649    | 15.003 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.186 | 188  | 690994   | 20.276 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.574 | 212  | 853330   | 17.109 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.580 | 264  | 885467   | 19.669 | ng/u1  | -0.02    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.187  | 88   | 26325    | 8.643  | ng/uL  | 98       |
| 5) Pyridine                   | 3.599  | 79   | 138729   | 16.775 | ng/u1  | 95       |
| 6) Benzaldehyde               | 6.805  | 77   | 122979   | 23.741 | ng/u1  | 97       |
| 8) Phenol                     | 6.875  | 94   | 193231   | 18.585 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.058  | 93   | 157150   | 18.297 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.199  | 128  | 161780   | 19.068 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.087  | 108  | 151647   | 18.860 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.128  | 45   | 250940   | 20.223 | ng/u1# | 92       |
| 16) Acetophenone              | 8.440  | 105  | 251883   | 19.124 | ng/u1# | 86       |
| 17) N-Nitroso-di-n-propyla... | 8.410  | 70   | 127935   | 18.539 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.422  | 108  | 160862   | 18.674 | ng/u1  | 93       |
| 19) Hexachloroethane          | 8.652  | 117  | 71661    | 18.795 | ng/u1  | 91       |
| 22) Nitrobenzene              | 8.822  | 77   | 190662   | 19.695 | ng/u1  | 96       |
| 23) Isophorone                | 9.334  | 82   | 354906   | 18.441 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.534  | 139  | 88937    | 18.436 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.599  | 107  | 185014   | 19.449 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.804  | 93   | 218811   | 18.704 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.093 | 162  | 153173   | 18.582 | ng/u1  | 97       |
| 30) Naphthalene               | 10.428 | 128  | 541772   | 19.795 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.581 | 127  | 204328   | 19.311 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.675 | 225  | 114632   | 18.547 | ng/u1  | 96       |
| 34) Caprolactam               | 11.428 | 113  | 49983m   | 19.684 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.745 | 107  | 179329   | 20.014 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.051 | 142  | 361106   | 19.221 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.275 | 142  | 383718   | 19.859 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.428 | 216  | 216684   | 19.133 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.369 | 237  | 75218    | 12.696 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.704 | 196  | 129113m  | 18.042 | ng/ul  |          |
| 42) 2,4,5-Trichlorophenol     | 12.822 | 196  | 133944   | 17.690 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.075 | 154  | 484275   | 19.002 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.122 | 162  | 391959   | 19.265 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.387 | 65   | 113384   | 20.152 | ng/ul  | 89       |
| 47) Dimethylphthalate         | 13.722 | 163  | 440542   | 17.127 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.875 | 165  | 86675    | 16.854 | ng/ul  | 96       |
| 50) Acenaphthylene            | 13.981 | 152  | 572797   | 17.773 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.234 | 138  | 91040    | 20.344 | ng/ul# | 94       |
| 52) Acenaphthene              | 14.322 | 153  | 429880   | 20.096 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.510 | 184  | 51313    | 19.000 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.622 | 109  | 36903m   | 12.578 | ng/ul  |          |
| 56) Dibenzofuran              | 14.669 | 168  | 592873   | 20.239 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.704 | 165  | 149432   | 21.168 | ng/ul  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.934 | 232  | 125303   | 19.326 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.098 | 149  | 507858   | 19.756 | ng/ul  | 99       |
| 61) Fluorene                  | 15.334 | 166  | 493348   | 20.639 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.322 | 204  | 253760   | 19.564 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.428 | 138  | 82641    | 22.299 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.481 | 198  | 76326    | 15.503 | ng/ul# | 96       |
| 67) N-Nitrosodiphenylamine    | 15.557 | 169  | 414741   | 18.562 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.239 | 248  | 160823   | 17.882 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.363 | 284  | 189794   | 18.405 | ng/ul  | 99       |
| 70) Atrazine                  | 16.539 | 200  | 154278   | 18.946 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.757 | 266  | 92023m   | 16.431 | ng/ul  |          |
| 72) Phenanthrene              | 17.122 | 178  | 804945   | 20.223 | ng/ul  | 100      |
| 74) Anthracene                | 17.228 | 178  | 828189   | 20.410 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.045 | 216  | 212468   | 17.301 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.587 | 250  | 218891   | 17.938 | ng/uL  | 99       |
| 77) Carbazole                 | 17.528 | 167  | 714391   | 21.536 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.075 | 149  | 837754   | 18.306 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.233 | 202  | 998452   | 16.577 | ng/ul  | 98       |
| 82) Pyrene                    | 19.604 | 202  | 1047466  | 17.090 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.539 | 149  | 357211   | 13.988 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.439 | 252  | 330877   | 17.949 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.504 | 228  | 1089014  | 19.270 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.404 | 149  | 577142   | 15.704 | ng/ul  | 99       |
| 87) Chrysene                  | 21.580 | 228  | 1020052  | 19.425 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.639 | 149  | 983993   | 16.318 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.774 | 252  | 1082993  | 19.551 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.845 | 252  | 1088280  | 19.686 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.657 | 252  | 1023128  | 19.546 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.562 | 276  | 1232883  | 18.278 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.615 | 278  | 1043884  | 18.689 | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 29.750 | 276  | 986298   | 17.954 | ng/ul  | 99       |

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

