

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030823\  
 Data File : BP013978.D  
 Acq On : 08 Mar 2023 15:27  
 Operator : CG/JU  
 Sample : 01746-22MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCAC6MS

Quant Time: Mar 09 01:13:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP030723.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 09 01:10:12 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/09/2023  
 Supervised By : Jagrut Upadhyay 03/09/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.081  | 152  | 119444   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.910 | 136  | 508614   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.722 | 164  | 360793   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.475 | 188  | 894550   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.557 | 240  | 977595   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.092 | 264  | 1075108  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.440  | 96   | 12705    | 4.019  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.875  | 84   | 62441    | 7.134  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.234  | 99   | 65501    | 6.214  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.405  | 67   | 179829   | 29.253 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.611  | 132  | 176968   | 22.036 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.793  | 113  | 128096   | 14.878 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.258  | 128  | 127159   | 31.334 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.981  | 143  | 140347   | 28.891 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.522 | 165  | 252385   | 27.612 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.046 | 131  | 307114   | 25.389 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.128 | 166  | 1034184  | 33.775 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.416 | 160  | 1017638  | 31.373 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.916 | 143  | 39914    | 7.397  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.716 | 176  | 859816   | 33.133 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.834 | 200  | 223841   | 33.107 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.575 | 188  | 1476557  | 34.002 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.798 | 212  | 1875375  | 34.782 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.927 | 264  | 1991586  | 34.825 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.475  | 88   | 14378    | 4.213  | ng/uL  | 98       |
| 5) Pyridine                   | 3.899  | 79   | 67129    | 7.563  | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.216  | 77   | 203728m  | 38.844 | ng/u1  |          |
| 8) Phenol                     | 7.264  | 94   | 72177    | 6.640  | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.499  | 93   | 251805   | 30.237 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.646  | 128  | 188366   | 23.281 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.528  | 108  | 148781   | 18.407 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.611  | 45   | 278009   | 30.912 | ng/u1  | 99       |
| 16) Acetophenone              | 8.916  | 105  | 439274   | 31.582 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.893  | 70   | 230253   | 32.358 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.858  | 108  | 144732   | 16.279 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.175  | 117  | 108474   | 30.610 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.299  | 77   | 343542   | 31.646 | ng/u1  | 100      |
| 23) Isophorone                | 9.828  | 82   | 664654   | 31.793 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.016 | 139  | 148628   | 29.686 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 10.069 | 107  | 288255   | 26.303 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.305 | 93   | 368695   | 30.490 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.552 | 162  | 254387   | 28.213 | ng/u1  | 97       |
| 30) Naphthalene               | 10.957 | 128  | 942725   | 33.754 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.069 | 127  | 295718   | 24.294 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.240 | 225  | 211690   | 29.504 | ng/u1  | 96       |
| 34) Caprolactam               | 11.869 | 113  | 14201m   | 4.851  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.175 | 107  | 291798   | 27.987 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.557 | 142  | 608590   | 31.067 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.775 | 142  | 630091   | 32.001 | ng/u1 | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.922 | 216  | 403510   | 30.928 | ng/u1 | 99       |
| 40) Hexachlorocyclopentadiene | 12.899 | 237  | 230309   | 24.651 | ng/u1 | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.157 | 196  | 272812   | 33.286 | ng/u1 | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.228 | 196  | 298730   | 33.212 | ng/u1 | 99       |
| 43) 1,1'-Biphenyl             | 13.557 | 154  | 883564   | 31.809 | ng/u1 | 100      |
| 44) 2-Chloronaphthalene       | 13.604 | 162  | 706554   | 32.027 | ng/u1 | 99       |
| 45) 2-Nitroaniline            | 13.810 | 65   | 246833   | 37.830 | ng/u1 | 96       |
| 47) Dimethylphthalate         | 14.175 | 163  | 1040305  | 34.324 | ng/u1 | 99       |
| 48) 2,6-Dinitrotoluene        | 14.298 | 165  | 223094   | 37.232 | ng/u1 | 99       |
| 50) Acenaphthylene            | 14.446 | 152  | 1121816  | 32.955 | ng/u1 | 99       |
| 51) 3-Nitroaniline            | 14.628 | 138  | 184144   | 34.709 | ng/u1 | 97       |
| 52) Acenaphthene              | 14.787 | 153  | 1476361  | 62.039 | ng/u1 | 99       |
| 53) 2,4-Dinitrophenol         | 14.834 | 184  | 152362   | 34.049 | ng/u1 | 93       |
| 55) 4-Nitrophenol             | 14.934 | 109  | 44875    | 7.699  | ng/u1 | 95       |
| 56) Dibenzofuran              | 15.122 | 168  | 1190090  | 34.376 | ng/u1 | 99       |
| 57) 2,4-Dinitrotoluene        | 15.081 | 165  | 326001   | 36.414 | ng/u1 | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.345 | 232  | 305906   | 35.549 | ng/u1 | 98       |
| 59) Diethylphthalate          | 15.534 | 149  | 1090637  | 35.479 | ng/u1 | 100      |
| 61) Fluorene                  | 15.769 | 166  | 1296321  | 45.172 | ng/u1 | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.757 | 204  | 533609   | 33.689 | ng/u1 | 100      |
| 63) 4-Nitroaniline            | 15.793 | 138  | 223848   | 41.047 | ng/u1 | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.851 | 198  | 220158   | 34.131 | ng/u1 | 97       |
| 67) N-Nitrosodiphenylamine    | 15.975 | 169  | 874887   | 34.629 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.657 | 248  | 375217   | 34.696 | ng/u1 | 97       |
| 69) Hexachlorobenzene         | 16.775 | 284  | 442821   | 34.749 | ng/u1 | 97       |
| 70) Atrazine                  | 16.928 | 200  | 343623   | 31.534 | ng/u1 | 99       |
| 71) Pentachlorophenol         | 17.122 | 266  | 288300   | 34.610 | ng/u1 | 98       |
| 72) Phenanthrene              | 17.522 | 178  | 1716023  | 35.171 | ng/u1 | 100      |
| 74) Anthracene                | 17.610 | 178  | 1738127  | 35.134 | ng/u1 | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.528 | 216  | 418452   | 30.480 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 15.040 | 250  | 467593   | 32.788 | ng/uL | 98       |
| 77) Carbazole                 | 17.881 | 167  | 2566721  | 58.820 | ng/u1 | 99       |
| 78) Di-n-butylphthalate       | 18.404 | 149  | 1985854  | 36.414 | ng/u1 | 100      |
| 80) Fluoranthene              | 19.475 | 202  | 2238417  | 36.423 | ng/u1 | 98       |
| 82) Pyrene                    | 19.828 | 202  | 2313944  | 36.094 | ng/u1 | 98       |
| 83) Butylbenzylphthalate      | 20.675 | 149  | 963525   | 37.274 | ng/u1 | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.463 | 252  | 676958   | 27.050 | ng/u1 | 99       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 2449385  | 35.622 | ng/u1 | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.433 | 149  | 1421570  | 36.783 | ng/u1 | 99       |
| 87) Chrysene                  | 21.592 | 228  | 2310187  | 35.254 | ng/u1 | 100      |
| 89) Di-n-octyl phthalate      | 22.398 | 149  | 2464725  | 36.332 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 2612389  | 36.466 | ng/u1 | 99       |
| 91) Benzo(k)fluoranthene      | 23.363 | 252  | 2465337  | 36.089 | ng/u1 | 99       |
| 93) Benzo(a)pyrene            | 23.986 | 252  | 2228481  | 35.764 | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.768 | 276  | 2706247  | 32.808 | ng/u1 | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.786 | 278  | 2247327  | 32.780 | ng/u1 | 99       |
| 96) Benzo(g,h,i)perylene      | 27.598 | 276  | 2103394  | 31.903 | ng/u1 | 99       |

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

