

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030823\  
 Data File : BP014003.D  
 Acq On : 09 Mar 2023 10:57  
 Operator : CG/JU  
 Sample : 01713-11MS  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBZZ0MS

Quant Time: Mar 10 00:16:23 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 03/10/2023  
 Supervised By :Jagrut Upadhyay 03/10/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.081  | 152  | 123739   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.905 | 136  | 524556   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.716 | 164  | 364753   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.475 | 188  | 879099   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.551 | 240  | 964416   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.086 | 264  | 980947   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.434  | 96   | 7870     | 2.403  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.887  | 84   | 14541    | 1.604  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 7.228  | 99   | 142381   | 13.039 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.399  | 67   | 87765    | 13.781 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.605  | 132  | 110915   | 13.332 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.787  | 113  | 108014   | 12.110 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.252  | 128  | 55134    | 13.173 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.981  | 143  | 65860    | 13.145 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.522 | 165  | 129945   | 13.784 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.040 | 131  | 136927   | 10.976 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.116 | 166  | 448174   | 14.478 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.410 | 160  | 459430   | 14.010 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.910 | 143  | 74732    | 13.699 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.710 | 176  | 379821   | 14.478 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.828 | 200  | 89522    | 13.474 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.569 | 188  | 617637   | 14.473 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 863801   | 16.240 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.921 | 264  | 829968   | 15.906 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.470  | 88   | 18448    | 5.218  | ng/uL  | 90       |
| 5) Pyridine                   | 3.905  | 79   | 25005    | 2.719  | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.211  | 77   | 102526m  | 18.870 | ng/u1  |          |
| 8) Phenol                     | 7.258  | 94   | 174170   | 15.467 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.493  | 93   | 133759   | 15.504 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.640  | 128  | 127340   | 15.192 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.522  | 108  | 114822   | 13.712 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.611  | 45   | 152791   | 16.399 | ng/u1  | 98       |
| 16) Acetophenone              | 8.910  | 105  | 246406   | 17.100 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.887  | 70   | 117473   | 15.936 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.852  | 108  | 134003   | 14.549 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.169  | 117  | 54643    | 14.884 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.293  | 77   | 173627   | 15.508 | ng/u1  | 98       |
| 23) Isophorone                | 9.822  | 82   | 324904   | 15.069 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.010 | 139  | 77043    | 14.920 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 10.063 | 107  | 63128    | 5.585  | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.305 | 93   | 191108   | 15.324 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.546 | 162  | 139229   | 14.972 | ng/u1  | 99       |
| 30) Naphthalene               | 10.952 | 128  | 438110   | 15.210 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.063 | 127  | 149894   | 11.940 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.234 | 225  | 106328   | 14.369 | ng/u1  | 96       |
| 34) Caprolactam               | 11.846 | 113  | 47363    | 15.686 | ng/u1  | 98       |
| 35) 4-Chloro-3-methylphenol   | 12.175 | 107  | 167060   | 15.536 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.551 | 142  | 307873   | 15.238 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.769 | 142  | 316634   | 15.592 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.916 | 216  | 203550   | 15.432 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.893 | 237  | 62472    | 6.614  | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.151 | 196  | 130810   | 15.787 | ng/ul | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.228 | 196  | 148943   | 16.379 | ng/ul | 96       |
| 43) 1,1'-Biphenyl             | 13.551 | 154  | 441640   | 15.727 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.598 | 162  | 354136   | 15.878 | ng/ul | 97       |
| 45) 2-Nitroaniline            | 13.804 | 65   | 108823   | 16.497 | ng/ul | 97       |
| 47) Dimethylphthalate         | 14.169 | 163  | 490639   | 16.013 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.293 | 165  | 98182    | 16.208 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.440 | 152  | 537206   | 15.610 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.622 | 138  | 86762    | 16.176 | ng/ul | 93       |
| 52) Acenaphthene              | 14.781 | 153  | 383641   | 15.946 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.828 | 184  | 63262    | 13.984 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.922 | 109  | 97900    | 16.614 | ng/ul | 98       |
| 56) Dibenzofuran              | 15.116 | 168  | 555300   | 15.866 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 15.075 | 165  | 151677   | 16.758 | ng/ul | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.340 | 232  | 144517   | 16.612 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.528 | 149  | 522074   | 16.799 | ng/ul | 99       |
| 61) Fluorene                  | 15.763 | 166  | 467671   | 16.120 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.751 | 204  | 259047   | 16.177 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.787 | 138  | 91868    | 16.663 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.840 | 198  | 101380   | 15.993 | ng/ul | 96       |
| 67) N-Nitrosodiphenylamine    | 15.969 | 169  | 411822   | 16.587 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.651 | 248  | 175421   | 16.506 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.769 | 284  | 208044   | 16.612 | ng/ul | 94       |
| 70) Atrazine                  | 16.922 | 200  | 177159   | 16.544 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.116 | 266  | 113619   | 13.880 | ng/ul | 97       |
| 72) Phenanthrene              | 17.516 | 178  | 834672   | 17.408 | ng/ul | 99       |
| 74) Anthracene                | 17.604 | 178  | 778445   | 16.012 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.522 | 216  | 209987   | 15.564 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 15.034 | 250  | 223059   | 15.916 | ng/uL | 99       |
| 77) Carbazole                 | 17.875 | 167  | 741977   | 17.302 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.404 | 149  | 959957   | 17.912 | ng/ul | 100      |
| 80) Fluoranthene              | 19.469 | 202  | 1117352  | 18.430 | ng/ul | 100      |
| 82) Pyrene                    | 19.822 | 202  | 1167841  | 18.465 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.675 | 149  | 461398   | 18.093 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.457 | 252  | 286840   | 11.618 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.533 | 228  | 1237223  | 18.239 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.427 | 149  | 707363   | 18.553 | ng/ul | 99       |
| 87) Chrysene                  | 21.586 | 228  | 1173122  | 18.147 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.398 | 149  | 1198063  | 19.356 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.304 | 252  | 1215059  | 18.589 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.357 | 252  | 1223560  | 19.631 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.974 | 252  | 1015138  | 17.855 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.757 | 276  | 1152257  | 15.310 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.774 | 278  | 954525   | 15.259 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 27.574 | 276  | 816770   | 13.577 | ng/ul | 100      |

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

