

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110822\  
 Data File : BP012579.D  
 Acq On : 09 Nov 2022 08:18  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020669

Quant Time: Nov 09 09:01:50 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP102522.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 08 22:40:23 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/09/2022  
 Supervised By :mohammad ahmed 11/14/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.763  | 152  | 274639   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.563 | 136  | 1370719  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.422 | 164  | 942017   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.181 | 188  | 2093719  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.280 | 240  | 1933478  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.657 | 264  | 1798129  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.223  | 96   | 48998    | 7.184  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.646  | 84   | 368821   | 18.824 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.958  | 99   | 514928   | 20.904 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.105  | 67   | 293124   | 19.933 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.305  | 132  | 385953   | 21.455 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.493  | 113  | 428934   | 22.016 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.934  | 128  | 207317   | 23.323 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.657  | 143  | 231904   | 25.136 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.199 | 165  | 445478   | 22.280 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.716 | 131  | 634550   | 21.314 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.840 | 166  | 1339113  | 20.766 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.110 | 160  | 1543871  | 20.950 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.669 | 143  | 214255   | 17.555 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.416 | 176  | 1161120  | 21.030 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.557 | 200  | 229190   | 21.025 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.281 | 188  | 1854467  | 20.556 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.528 | 212  | 2139613  | 22.041 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.504 | 264  | 1772157  | 20.170 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.258  | 88   | 53236    | 7.342  | ng/uL  | 97       |
| 5) Pyridine                   | 3.664  | 79   | 361562   | 18.777 | ng/u1  | 95       |
| 6) Benzaldehyde               | 6.916  | 77   | 262010   | 22.553 | ng/u1  | 98       |
| 8) Phenol                     | 6.981  | 94   | 544607   | 21.263 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.199  | 93   | 408083   | 19.852 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.334  | 128  | 417603   | 21.326 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.228  | 108  | 421046   | 21.377 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.299  | 45   | 545681   | 19.795 | ng/u1  | 99       |
| 16) Acetophenone              | 8.599  | 105  | 664021   | 21.945 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.581  | 70   | 329410   | 22.613 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.558  | 108  | 471963   | 21.923 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.834  | 117  | 155954   | 20.707 | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.981  | 77   | 503707   | 21.719 | ng/u1  | 99       |
| 23) Isophorone                | 9.505  | 82   | 971069   | 20.009 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.687  | 139  | 261709   | 23.657 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.757  | 107  | 524009   | 21.572 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.987  | 93   | 617232   | 19.875 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.228 | 162  | 455337   | 21.937 | ng/u1  | 99       |
| 30) Naphthalene               | 10.616 | 128  | 1440656  | 19.831 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.740 | 127  | 655710   | 21.405 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.887 | 225  | 266351   | 20.626 | ng/u1  | 98       |
| 34) Caprolactam               | 11.546 | 113  | 143130   | 20.266 | ng/u1  | 95       |
| 35) 4-Chloro-3-methylphenol   | 11.887 | 107  | 523662   | 22.961 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.234 | 142  | 1039399  | 20.870 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.451 | 142  | 1032502  | 20.759 | ng/u1 | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.598 | 216  | 556634   | 20.117 | ng/u1 | 99       |
| 40) Hexachlorocyclopentadiene | 12.569 | 237  | 235847   | 18.423 | ng/u1 | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.851 | 196  | 384762   | 21.754 | ng/u1 | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.940 | 196  | 421736   | 21.862 | ng/u1 | 99       |
| 43) 1,1'-Biphenyl             | 13.251 | 154  | 1382432  | 19.958 | ng/u1 | 98       |
| 44) 2-Chloronaphthalene       | 13.293 | 162  | 1103098  | 20.266 | ng/u1 | 100      |
| 45) 2-Nitroaniline            | 13.516 | 65   | 320768   | 25.426 | ng/u1 | 99       |
| 47) Dimethylphthalate         | 13.887 | 163  | 1398888  | 20.589 | ng/u1 | 99       |
| 48) 2,6-Dinitrotoluene        | 14.016 | 165  | 290168   | 25.721 | ng/u1 | 100      |
| 50) Acenaphthylene            | 14.140 | 152  | 1703658  | 20.614 | ng/u1 | 99       |
| 51) 3-Nitroaniline            | 14.345 | 138  | 300673   | 21.767 | ng/u1 | 98       |
| 52) Acenaphthene              | 14.487 | 153  | 1178896  | 20.298 | ng/u1 | 99       |
| 53) 2,4-Dinitrophenol         | 14.563 | 184  | 183252   | 24.054 | ng/u1 | 98       |
| 55) 4-Nitrophenol             | 14.687 | 109  | 164162   | 17.777 | ng/u1 | 91       |
| 56) Dibenzofuran              | 14.822 | 168  | 1634980  | 20.620 | ng/u1 | 98       |
| 57) 2,4-Dinitrotoluene        | 14.804 | 165  | 417739   | 24.585 | ng/u1 | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.057 | 232  | 372735   | 22.765 | ng/u1 | 99       |
| 59) Diethylphthalate          | 15.251 | 149  | 1415799  | 21.416 | ng/u1 | 99       |
| 61) Fluorene                  | 15.475 | 166  | 1315185  | 20.876 | ng/u1 | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.469 | 204  | 656558   | 21.246 | ng/u1 | 99       |
| 63) 4-Nitroaniline            | 15.516 | 138  | 280896m  | 22.508 | ng/u1 |          |
| 66) 4,6-Dinitro-2-methylph... | 15.569 | 198  | 239818   | 20.648 | ng/u1 | 98       |
| 67) N-Nitrosodiphenylamine    | 15.692 | 169  | 1175626  | 19.936 | ng/u1 | 100      |
| 68) 4-Bromophenyl-phenylether | 16.369 | 248  | 439487   | 20.898 | ng/u1 | 98       |
| 69) Hexachlorobenzene         | 16.481 | 284  | 527410   | 20.910 | ng/u1 | 96       |
| 70) Atrazine                  | 16.657 | 200  | 438831   | 21.482 | ng/u1 | 99       |
| 71) Pentachlorophenol         | 16.839 | 266  | 304165   | 19.635 | ng/u1 | 100      |
| 72) Phenanthrene              | 17.228 | 178  | 2226938  | 20.133 | ng/u1 | 100      |
| 74) Anthracene                | 17.316 | 178  | 2230480  | 20.299 | ng/u1 | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.210 | 216  | 571670   | 19.087 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.740 | 250  | 626800   | 19.818 | ng/uL | 99       |
| 77) Carbazole                 | 17.598 | 167  | 2011163  | 20.550 | ng/u1 | 100      |
| 78) Di-n-butylphthalate       | 18.145 | 149  | 2532575  | 22.274 | ng/u1 | 99       |
| 80) Fluoranthene              | 19.198 | 202  | 2635537  | 21.990 | ng/u1 | 99       |
| 82) Pyrene                    | 19.557 | 202  | 2694775  | 21.707 | ng/u1 | 96       |
| 83) Butylbenzylphthalate      | 20.433 | 149  | 1176565  | 25.421 | ng/u1 | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.204 | 252  | 767741   | 18.280 | ng/u1 | 99       |
| 85) Benzo(a)anthracene        | 21.269 | 228  | 2479881  | 20.104 | ng/u1 | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.186 | 149  | 1726354  | 24.394 | ng/u1 | 99       |
| 87) Chrysene                  | 21.322 | 228  | 2327633  | 20.185 | ng/u1 | 98       |
| 89) Di-n-octyl phthalate      | 22.098 | 149  | 2865021  | 26.713 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 22.933 | 252  | 2369993  | 20.815 | ng/u1 | 98       |
| 91) Benzo(k)fluoranthene      | 22.980 | 252  | 2269997  | 20.919 | ng/u1 | 98       |
| 93) Benzo(a)pyrene            | 23.551 | 252  | 1993460  | 20.048 | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.121 | 276  | 2300282  | 18.565 | ng/u1 | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.139 | 278  | 2079924  | 18.748 | ng/u1 | 98       |
| 96) Benzo(g,h,i)perylene      | 26.874 | 276  | 2043685  | 18.659 | ng/u1 | 98       |

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

