

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020725\  
 Data File : BP024005.D  
 Acq On : 07 Feb 2025 16:31  
 Operator : RC/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020653

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/12/2025  
 Supervised By :Sohil Jodhani 02/18/2025

Quant Time: Feb 12 13:54:36 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP012925.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 11:19:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.763  | 152  | 395952   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.540 | 136  | 1690924  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.393 | 164  | 1017691  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.192 | 188  | 1963343  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.627 | 240  | 2048560  | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.986 | 264  | 1976642  | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.287  | 96   | 83303    | 8.741  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.699  | 84   | 618368   | 22.487 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.952  | 99   | 755759   | 21.568 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.099  | 67   | 419996   | 22.644 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.311  | 132  | 604066   | 21.953 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.469  | 113  | 591032   | 20.648 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.911  | 128  | 296552   | 21.921 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.628  | 143  | 302281   | 20.708 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.169 | 165  | 566892   | 21.169 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.669 | 131  | 847363   | 21.158 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.798 | 166  | 1544035  | 20.340 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.081 | 160  | 1885704  | 22.025 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.610 | 143  | 281058   | 18.644 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.404 | 176  | 1366177  | 21.371 | ng/u1  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.516 | 200  | 200984   | 16.593 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.292 | 188  | 2153760  | 22.342 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.657 | 212  | 2366578  | 21.560 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.768 | 264  | 2258634  | 21.900 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.323  | 88   | 89471    | 8.928  | ng/uL  | 97       |
| 5) Pyridine                   | 3.717  | 79   | 631805   | 22.949 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.916  | 77   | 469831   | 27.319 | ng/u1  | 99       |
| 8) Phenol                     | 6.975  | 94   | 798301   | 22.187 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.193  | 93   | 602592   | 22.001 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.340  | 128  | 631181   | 22.265 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.205  | 108  | 569887   | 21.050 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.275  | 45   | 628714   | 22.250 | ng/u1  | 99       |
| 16) Acetophenone              | 8.575  | 105  | 970055   | 22.168 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.558  | 70   | 436089   | 21.164 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.534  | 108  | 643905   | 21.437 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.834  | 117  | 250194   | 22.320 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.952  | 77   | 684526   | 23.316 | ng/u1  | 98       |
| 23) Isophorone                | 9.475  | 82   | 1182014  | 19.940 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.658  | 139  | 344189   | 21.617 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.722  | 107  | 648976   | 22.022 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.952  | 93   | 775991   | 21.015 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.193 | 162  | 581016   | 21.395 | ng/u1  | 98       |
| 30) Naphthalene               | 10.593 | 128  | 2016959  | 22.284 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.693 | 127  | 807065   | 21.354 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.881 | 225  | 350864   | 21.342 | ng/u1  | 100      |
| 34) Caprolactam               | 11.475 | 113  | 181644   | 17.265 | ng/u1  | 97       |
| 35) 4-Chloro-3-methylphenol   | 11.834 | 107  | 585820   | 20.068 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.199 | 142  | 1340932  | 21.071 | ng/u1  | 100      |

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| 37) 1-Methylnaphthalene       | 12.422 | 142  | 1331303  | 21.087 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.569 | 216  | 687507   | 22.851 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.551 | 237  | 289805   | 17.094 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.816 | 196  | 425620   | 21.179 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.887 | 196  | 464377   | 21.438 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.216 | 154  | 1710276  | 22.640 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.251 | 162  | 1362358  | 23.145 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.463 | 65   | 342004   | 22.325 | ng/ul | 91       |
| 47) Dimethylphthalate         | 13.846 | 163  | 1556723  | 20.611 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.957 | 165  | 304593   | 20.636 | ng/ul | 95       |
| 50) Acenaphthylene            | 14.116 | 152  | 2054347  | 22.532 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.293 | 138  | 352103   | 21.706 | ng/ul | 96       |
| 52) Acenaphthene              | 14.463 | 153  | 1448627  | 22.409 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.504 | 184  | 139575   | 15.861 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.628 | 109  | 224046   | 21.007 | ng/ul | 93       |
| 56) Dibenzofuran              | 14.798 | 168  | 1974857  | 22.047 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.763 | 165  | 456020   | 20.771 | ng/ul | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.028 | 232  | 366328   | 19.874 | ng/ul | 92       |
| 59) Diethylphthalate          | 15.228 | 149  | 1555467  | 20.556 | ng/ul | 99       |
| 61) Fluorene                  | 15.457 | 166  | 1696158  | 22.826 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.451 | 204  | 794388   | 21.596 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.469 | 138  | 391839   | 24.828 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.534 | 198  | 225046   | 16.900 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.669 | 169  | 1340565  | 22.372 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.363 | 248  | 462604   | 20.884 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.481 | 284  | 555862   | 20.711 | ng/ul | 98       |
| 70) Atrazine                  | 16.645 | 200  | 460142   | 19.830 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.834 | 266  | 301698   | 18.275 | ng/ul | 99       |
| 72) Phenanthrene              | 17.234 | 178  | 2492879  | 22.484 | ng/ul | 100      |
| 74) Anthracene                | 17.328 | 178  | 2566840  | 22.956 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.181 | 216  | 670867   | 23.334 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.722 | 250  | 678450   | 21.898 | ng/ul | 99       |
| 77) Carbazole                 | 17.610 | 167  | 2298248  | 23.462 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.198 | 149  | 2475924  | 20.421 | ng/ul | 100      |
| 80) Fluoranthene              | 19.316 | 202  | 2808348  | 22.212 | ng/ul | 98       |
| 82) Pyrene                    | 19.686 | 202  | 3059681  | 23.141 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.628 | 149  | 1103957  | 19.389 | ng/ul | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.522 | 252  | 801807   | 18.091 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.610 | 228  | 2903251  | 21.552 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.551 | 149  | 1541870  | 18.560 | ng/ul | 98       |
| 87) Chrysene                  | 21.675 | 228  | 2765235  | 22.278 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.845 | 149  | 2399500  | 20.251 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.927 | 252  | 2692457  | 22.449 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.998 | 252  | 2737179  | 22.765 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.833 | 252  | 2534335  | 22.627 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.798 | 276  | 3026721m | 20.848 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 28.880 | 278  | 2451180  | 20.813 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 29.992 | 276  | 2326785  | 20.923 | ng/ul | 99       |

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

