

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012725\  
 Data File : BP023748.D  
 Acq On : 27 Jan 2025 20:35  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020779

Quant Time: Jan 27 23:26:33 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP012225.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 27 21:53:59 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025  
 Supervised By :mohammad ahmed 01/31/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.793  | 152  | 554335   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.569 | 136  | 2438673  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.422 | 164  | 1604949  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.222 | 188  | 3187963  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.675 | 240  | 3272329  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.080 | 264  | 3514950  | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.299  | 96   | 104636   | 7.603  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.711  | 84   | 756181   | 19.040 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.975  | 99   | 956684   | 20.396 | ng/u1  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.122  | 67   | 513047   | 19.364 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.334  | 132  | 777019   | 21.790 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.499  | 113  | 788974   | 21.391 | ng/u1  | 0.02     |
| 21) Nitrobenzene-d5           | 8.934  | 128  | 382088   | 20.795 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.652  | 143  | 396068   | 23.513 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.199 | 165  | 778246   | 21.980 | ng/u1  | 0.02     |
| 31) 4-Chloroaniline-d4        | 10.699 | 131  | 1112261  | 19.643 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.828 | 166  | 2258583  | 19.568 | ng/u1  | 0.01     |
| 49) Acenaphthylene-d8         | 14.110 | 160  | 2683819  | 20.091 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.646 | 143  | 442825   | 19.094 | ng/u1  | 0.05     |
| 60) Fluorene-d10              | 15.428 | 176  | 1972908  | 19.968 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.546 | 200  | 318691   | 20.300 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.316 | 188  | 3116540  | 20.363 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.692 | 212  | 3568079  | 21.429 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.839 | 264  | 3641949  | 20.701 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.334  | 88   | 108720   | 7.467  | ng/uL  | 96       |
| 5) Pyridine                   | 3.728  | 79   | 766578   | 19.092 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.940  | 77   | 582077   | 24.693 | ng/u1  | 97       |
| 8) Phenol                     | 6.999  | 94   | 989151   | 20.153 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.217  | 93   | 754687   | 19.765 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.364  | 128  | 795848   | 21.053 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.240  | 108  | 745312   | 20.926 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.311  | 45   | 794247   | 20.055 | ng/u1  | 98       |
| 16) Acetophenone              | 8.605  | 105  | 1228591  | 20.741 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.593  | 70   | 571815   | 20.865 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.564  | 108  | 836516   | 21.124 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.869  | 117  | 304252   | 19.693 | ng/u1  | 93       |
| 22) Nitrobenzene              | 8.975  | 77   | 839876   | 19.565 | ng/u1  | 99       |
| 23) Isophorone                | 9.505  | 82   | 1622077  | 19.866 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.687  | 139  | 449487   | 22.728 | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 9.758  | 107  | 840276   | 20.500 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.981  | 93   | 1032648  | 19.518 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.228 | 162  | 782361   | 21.373 | ng/u1  | 99       |
| 30) Naphthalene               | 10.622 | 128  | 2586511  | 19.708 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.728 | 127  | 1047641  | 19.380 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.910 | 225  | 453996   | 19.703 | ng/u1  | 99       |
| 34) Caprolactam               | 11.493 | 113  | 303994   | 22.640 | ng/u1  | 97       |
| 35) 4-Chloro-3-methylphenol   | 11.863 | 107  | 828774   | 21.857 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.234 | 142  | 1828991  | 20.638 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.457 | 142  | 1796352  | 20.277 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.599 | 216  | 934886   | 19.611 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.587 | 237  | 524842   | 21.607 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.846 | 196  | 615264   | 21.952 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.928 | 196  | 681922   | 22.028 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.246 | 154  | 2363396  | 19.571 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.287 | 162  | 1843757  | 19.610 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.487 | 65   | 475939   | 21.315 | ng/ul | 94       |
| 47) Dimethylphthalate         | 13.869 | 163  | 2266779  | 19.562 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.987 | 165  | 445092   | 21.535 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.140 | 152  | 2870831  | 19.821 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.322 | 138  | 499130   | 20.694 | ng/ul | 95       |
| 52) Acenaphthene              | 14.487 | 153  | 2015127  | 19.677 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.522 | 184  | 234796   | 23.140 | ng/ul | 93       |
| 55) 4-Nitrophenol             | 14.657 | 109  | 323695   | 19.019 | ng/ul | 98       |
| 56) Dibenzofuran              | 14.828 | 168  | 2788865  | 19.800 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.781 | 165  | 670805   | 21.694 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.057 | 232  | 565565   | 22.245 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.263 | 149  | 2255740  | 19.793 | ng/ul | 100      |
| 61) Fluorene                  | 15.487 | 166  | 2299978  | 19.594 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.481 | 204  | 1112172  | 19.358 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.498 | 138  | 532168   | 21.685 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.557 | 198  | 365659   | 20.711 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.698 | 169  | 1960239  | 20.473 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.393 | 248  | 702568   | 20.584 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.510 | 284  | 836318   | 20.135 | ng/ul | 96       |
| 70) Atrazine                  | 16.675 | 200  | 716205   | 20.279 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.863 | 266  | 554882   | 22.117 | ng/ul | 98       |
| 72) Phenanthrene              | 17.263 | 178  | 3593910  | 19.953 | ng/ul | 100      |
| 74) Anthracene                | 17.351 | 178  | 3600712  | 20.125 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.210 | 216  | 930687   | 20.123 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.746 | 250  | 1001845  | 20.391 | ng/ul | 100      |
| 77) Carbazole                 | 17.634 | 167  | 3370970  | 21.451 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.239 | 149  | 3888267  | 21.744 | ng/ul | 99       |
| 80) Fluoranthene              | 19.345 | 202  | 4092652  | 21.617 | ng/ul | 98       |
| 82) Pyrene                    | 19.722 | 202  | 4404188  | 21.418 | ng/ul | 97       |
| 83) Butylbenzylphthalate      | 20.675 | 149  | 1718178  | 23.168 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.575 | 252  | 1359299  | 23.537 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.651 | 228  | 4306577  | 20.759 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.604 | 149  | 2478461  | 22.410 | ng/ul | 98       |
| 87) Chrysene                  | 21.722 | 228  | 4027064  | 20.735 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.910 | 149  | 4037531  | 22.914 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.998 | 252  | 4170954  | 19.975 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 24.069 | 252  | 4272415  | 19.848 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.916 | 252  | 3953011  | 20.115 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.939 | 276  | 5031904m | 20.601 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 29.057 | 278  | 4083176  | 20.578 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 30.145 | 276  | 3907379  | 20.795 | ng/ul | 98       |

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

