

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021025\  
 Data File : BP024025.D  
 Acq On : 10 Feb 2025 23:56  
 Operator : RC/JU  
 Sample : Q1274-03MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCZT0MSD

Manual Integrations  
 APPROVED

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

Quant Time: Feb 12 16:55:30 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     | 7.769  | 152  | 439969   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.540 | 136  | 1847366  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.387 | 164  | 1185499  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.180 | 188  | 2277285  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.610 | 240  | 2241666  | 20.000 | ng/u1  | -0.03    |
| 88) Perylene-d12              | 24.968 | 264  | 2438226  | 20.000 | ng/u1  | -0.04    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.287  | 96   | 53457    | 5.048  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.699  | 84   | 797438   | 26.098 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.958  | 99   | 453204   | 11.640 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.099  | 67   | 594694   | 28.856 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.310  | 132  | 86221    | 2.820  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.475  | 113  | 580069   | 18.237 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.910  | 128  | 449625   | 30.421 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.693  | 143  | 24406m   | 1.530  | ng/u1  | 0.06     |
| 28) 2,4-Dichlorophenol-d3     | 10.199 | 165  | 45627m   | 1.560  | ng/u1  | 0.03     |
| 31) 4-Chloroaniline-d4        | 10.669 | 131  | 1229894  | 28.109 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.787 | 166  | 2473545  | 27.973 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.075 | 160  | 3046853  | 30.550 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.616 | 143  | 69868    | 3.979  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.392 | 176  | 2233329  | 29.991 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.534 | 200  | 11365    | 0.809  | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.281 | 188  | 3598440  | 32.182 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.645 | 212  | 3911779  | 32.568 | ng/u1  | -0.02    |
| 92) Benzo(a)pyrene-d12        | 24.733 | 264  | 4108386  | 32.295 | ng/u1  | -0.04    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.322  | 88   | 152361   | 13.682 | ng/uL  | 98       |
| 5) Pyridine                   | 3.717  | 79   | 1072449  | 35.057 | ng/u1  | 100      |
| 6) Benzaldehyde               | 6.916  | 77   | 210540   | 11.017 | ng/u1  | 96       |
| 8) Phenol                     | 6.987  | 94   | 1548559  | 38.733 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.193  | 93   | 1080129  | 35.491 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.346  | 128  | 1215433  | 38.586 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.216  | 108  | 1110785  | 36.925 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.281  | 45   | 1119913  | 35.668 | ng/u1  | 98       |
| 16) Acetophenone              | 8.581  | 105  | 1859369  | 38.241 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.563  | 70   | 798348   | 34.868 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.540  | 108  | 1224212  | 36.679 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.834  | 117  | 490005   | 39.341 | ng/u1  | 96       |
| 22) Nitrobenzene              | 8.952  | 77   | 1194098  | 37.228 | ng/u1  | 100      |
| 23) Isophorone                | 9.475  | 82   | 2571499  | 39.706 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.657  | 139  | 635952   | 36.559 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.728  | 107  | 1017275  | 31.596 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.951  | 93   | 1414456  | 35.063 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.199 | 162  | 1122411  | 37.831 | ng/u1  | 99       |
| 30) Naphthalene               | 10.587 | 128  | 3716539  | 37.584 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.698 | 127  | 812651   | 19.681 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.875 | 225  | 695757   | 38.736 | ng/u1  | 99       |
| 34) Caprolactam               | 11.481 | 113  | 387965   | 33.753 | ng/u1# | 52       |
| 35) 4-Chloro-3-methylphenol   | 11.840 | 107  | 1152015  | 36.121 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.193 | 142  | 2726228  | 39.211 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.410 | 142  | 2686696  | 38.952 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.563 | 216  | 1308338  | 37.331 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.545 | 237  | 530830   | 26.879 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.810 | 196  | 877004   | 37.463 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.898 | 196  | 956170   | 37.894 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.210 | 154  | 3288210  | 37.366 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.251 | 162  | 2485866  | 36.254 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.451 | 65   | 669828   | 37.535 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.839 | 163  | 2995830  | 34.050 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.957 | 165  | 637081   | 37.052 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.104 | 152  | 3869679  | 36.434 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.287 | 138  | 456875   | 24.178 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.451 | 153  | 2808685  | 37.299 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.504 | 184  | 278891   | 27.207 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.645 | 109  | 483557   | 38.921 | ng/ul  | 87       |
| 56) Dibenzofuran              | 14.792 | 168  | 3800997  | 36.427 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.757 | 165  | 917000   | 35.856 | ng/ul# | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.028 | 232  | 853862   | 39.767 | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.222 | 149  | 3041572  | 34.505 | ng/ul  | 99       |
| 61) Fluorene                  | 15.445 | 166  | 3136977  | 36.240 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.445 | 204  | 1521149  | 35.500 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.475 | 138  | 774192   | 42.111 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.528 | 198  | 474560   | 30.724 | ng/ul# | 80       |
| 67) N-Nitrosodiphenylamine    | 15.663 | 169  | 2834988  | 40.790 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.351 | 248  | 986469   | 38.395 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.475 | 284  | 1238424  | 39.782 | ng/ul  | 98       |
| 70) Atrazine                  | 16.639 | 200  | 962706   | 35.769 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.833 | 266  | 1448171  | 75.630 | ng/ul  | 100      |
| 72) Phenanthrene              | 17.222 | 178  | 5284558  | 41.091 | ng/ul  | 98       |
| 74) Anthracene                | 17.316 | 178  | 4925280  | 37.976 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.169 | 216  | 1277453  | 38.307 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.716 | 250  | 1371086  | 38.153 | ng/uL  | 98       |
| 77) Carbazole                 | 17.592 | 167  | 4550549  | 40.050 | ng/ul# | 97       |
| 78) Di-n-butylphthalate       | 18.186 | 149  | 5488496  | 39.028 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.298 | 202  | 5575845  | 40.302 | ng/ul  | 100      |
| 82) Pyrene                    | 19.674 | 202  | 5971196  | 41.271 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.627 | 149  | 2521017  | 40.463 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.516 | 252  | 1739977  | 35.876 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.592 | 228  | 5618456  | 38.115 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.533 | 149  | 3758776  | 41.348 | ng/ul  | 98       |
| 87) Chrysene                  | 21.663 | 228  | 5321196  | 39.177 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.816 | 149  | 6165860  | 42.186 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.904 | 252  | 5750131  | 38.866 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.980 | 252  | 5588652  | 37.681 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.815 | 252  | 5257841  | 38.056 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.803 | 276  | 6773660m | 37.823 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.880 | 278  | 5490116  | 37.791 | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 29.974 | 276  | 5211752  | 37.994 | ng/ul  | 99       |

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

