

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112525\  
 Data File : BG064860.D  
 Acq On : 25 Nov 2025 14:33  
 Operator : RC/JU  
 Sample : Q3688-02MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 M-31SMS

Quant Time: Nov 25 17:08:50 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112425.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 25 10:23:09 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/26/2025  
 Supervised By :mohammad ahmed 12/03/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.153  | 152  | 23571    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.973 | 136  | 95070    | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.768 | 164  | 83007    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.495 | 188  | 211567   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.749 | 240  | 262166   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 24.998 | 264  | 292313   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.482  | 96   | 2198     | 3.696  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.911  | 84   | 18510    | 11.296 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.295  | 99   | 18985    | 9.991  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.471  | 67   | 25894    | 21.308 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.689  | 132  | 34118    | 23.685 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.852  | 113  | 30787    | 18.799 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.316  | 128  | 18877    | 26.326 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.045 | 143  | 22586    | 26.519 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.585 | 165  | 51038    | 29.065 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.096 | 131  | 56175    | 25.027 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.163 | 166  | 226699   | 34.720 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.463 | 160  | 186266   | 26.637 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.933 | 143  | 13727    | 13.867 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.750 | 176  | 187656   | 32.014 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.855 | 200  | 53437    | 39.451 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.595 | 188  | 388441   | 36.336 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.862 | 212  | 491538   | 36.501 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.774 | 264  | 558335   | 36.203 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.517  | 88   | 3260     | 4.739  | ng/uL  | 93       |
| 5) Pyridine                   | 3.928  | 79   | 19774    | 11.022 | ng/u1  | 87       |
| 6) Benzaldehyde               | 7.277  | 77   | 14064    | 15.070 | ng/u1# | 88       |
| 8) Phenol                     | 7.324  | 94   | 21754    | 10.967 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.565  | 93   | 34850    | 23.758 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.718  | 128  | 36595    | 23.987 | ng/u1# | 94       |
| 13) 2-Methylphenol            | 8.587  | 108  | 33265    | 21.185 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.681  | 45   | 73150    | 23.752 | ng/u1  | 99       |
| 16) Acetophenone              | 8.975  | 105  | 69482    | 25.793 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.958  | 70   | 33741    | 26.111 | ng/u1  | 93       |
| 18) 4-Methylphenol            | 8.916  | 108  | 33688    | 19.555 | ng/u1  | 88       |
| 19) Hexachloroethane          | 9.257  | 117  | 11556    | 16.973 | ng/u1  | 90       |
| 22) Nitrobenzene              | 9.363  | 77   | 49443    | 26.846 | ng/u1  | 99       |
| 23) Isophorone                | 9.886  | 82   | 101194   | 28.047 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 10.080 | 139  | 24627    | 27.504 | ng/u1# | 92       |
| 26) 2,4-Dimethylphenol        | 10.127 | 107  | 45327    | 23.502 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.362 | 93   | 51929    | 25.664 | ng/u1# | 97       |
| 29) 2,4-Dichlorophenol        | 10.615 | 162  | 49196    | 30.039 | ng/u1  | 97       |
| 30) Naphthalene               | 11.026 | 128  | 132400   | 24.233 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.120 | 127  | 32996    | 14.443 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.314 | 225  | 41627    | 24.232 | ng/u1  | 87       |
| 34) Caprolactam               | 11.866 | 113  | 11841m   | 20.691 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.224 | 107  | 54653    | 30.644 | ng/u1  | 91       |
| 36) 2-Methylnaphthalene       | 12.618 | 142  | 111017   | 27.115 | ng/u1  | 99       |

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Manual Integrations  
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Quant Time: Nov 25 17:08:50 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112425.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 25 10:23:09 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.835 | 142  | 112731   | 28.130 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.976 | 216  | 96677    | 30.315 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.959 | 237  | 49148    | 22.245 | ng/ul# | 93       |
| 41) 2,4,6-Trichlorophenol     | 13.211 | 196  | 59618    | 33.818 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.282 | 196  | 67003    | 36.070 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.605 | 154  | 166516   | 28.494 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.652 | 162  | 132488   | 28.880 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.840 | 65   | 47787    | 35.039 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.210 | 163  | 226232   | 33.952 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.328 | 165  | 44557    | 36.443 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.492 | 152  | 235840   | 29.480 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.657 | 138  | 36700    | 34.608 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.833 | 153  | 155256   | 29.597 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.857 | 184  | 27958    | 38.884 | ng/ul# | 86       |
| 55) 4-Nitrophenol             | 14.951 | 109  | 15051    | 16.448 | ng/ul  | 89       |
| 56) Dibenzofuran              | 15.162 | 168  | 248803   | 31.073 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.109 | 165  | 71705    | 38.548 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.380 | 232  | 81066    | 38.539 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.568 | 149  | 227224   | 34.723 | ng/ul  | 98       |
| 61) Fluorene                  | 15.808 | 166  | 202102   | 32.178 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.797 | 204  | 131109   | 34.231 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.808 | 138  | 42080m   | 38.540 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.873 | 198  | 50539    | 38.392 | ng/ul# | 88       |
| 67) N-Nitrosodiphenylamine    | 16.002 | 169  | 194015   | 34.123 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.684 | 248  | 105931   | 37.557 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.807 | 284  | 132324   | 38.671 | ng/ul  | 96       |
| 70) Atrazine                  | 16.942 | 200  | 89642    | 32.952 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.142 | 266  | 72449    | 38.129 | ng/ul  | 100      |
| 72) Phenanthrene              | 17.542 | 178  | 405953   | 34.315 | ng/ul  | 99       |
| 74) Anthracene                | 17.630 | 178  | 412766   | 34.785 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.576 | 216  | 101696   | 31.973 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 15.086 | 250  | 123429   | 34.158 | ng/ul  | 96       |
| 77) Carbazole                 | 17.888 | 167  | 331087   | 34.214 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.441 | 149  | 385677   | 34.457 | ng/ul# | 98       |
| 80) Fluoranthene              | 19.533 | 202  | 524160   | 34.749 | ng/ul# | 93       |
| 82) Pyrene                    | 19.892 | 202  | 549283   | 34.887 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.761 | 149  | 173506   | 33.370 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.631 | 252  | 193054   | 34.580 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.725 | 228  | 631985   | 35.956 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.625 | 149  | 251025   | 32.644 | ng/ul  | 99       |
| 87) Chrysene                  | 21.790 | 228  | 601788   | 35.373 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.841 | 149  | 430691   | 32.332 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.964 | 252  | 651522   | 36.200 | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 24.034 | 252  | 665791   | 36.153 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 24.845 | 252  | 602345   | 35.189 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.717 | 276  | 806891   | 36.692 | ng/ul# | 97       |
| 95) Dibenzo(a,h)anthracene    | 28.781 | 278  | 660397   | 37.225 | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 29.874 | 276  | 643814   | 36.270 | ng/ul# | 97       |

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

