

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091525\  
 Data File : BG064376.D  
 Acq On : 15 Sep 2025 15:40  
 Operator : RC/JU  
 Sample : Q2117-06  
 Misc : MDL-ME-SOIL-Q2  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-MED-SOIL-QT2-2025-04

Quant Time: Sep 15 16:14:16 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091125.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 12 11:06:20 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/16/2025  
 Supervised By :Jagrut Upadhyay 09/16/2025

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.849  | 152  | 26704    | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8        | 10.628 | 136  | 122423   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10      | 14.465 | 164  | 100324   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10      | 17.209 | 188  | 264089   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12          | 21.433 | 240  | 226933   | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12          | 24.436 | 264  | 248170   | 20.000 | ng/u1 | -0.01    |

|                               |        |     |        |        |       |       |
|-------------------------------|--------|-----|--------|--------|-------|-------|
| System Monitoring Compounds   |        |     |        |        |       |       |
| 3) 1,4-Dioxane-d8             | 3.313  | 96  | 1961   | 3.858  | ng/uL | 0.00  |
| 4) Pyridine-d5                | 3.719  | 84  | 23619  | 15.925 | ng/u1 | 0.00  |
| 7) Phenol-d5                  | 7.015  | 99  | 30989  | 14.197 | ng/u1 | 0.00  |
| 9) Bis-(2-Chloroethyl)eth...  | 7.173  | 67  | 17620  | 15.469 | ng/u1 | 0.00  |
| 11) 2-Chlorophenol-d4         | 7.379  | 132 | 26380  | 15.111 | ng/u1 | 0.00  |
| 15) 4-Methylphenol-d8         | 8.548  | 113 | 29499  | 14.854 | ng/u1 | 0.00  |
| 21) Nitrobenzene-d5           | 8.995  | 128 | 14707  | 15.310 | ng/u1 | 0.00  |
| 24) 2-Nitrophenol-d4          | 9.717  | 143 | 17497  | 14.932 | ng/u1 | 0.00  |
| 28) 2,4-Dichlorophenol-d3     | 10.252 | 165 | 30812  | 14.142 | ng/u1 | 0.00  |
| 31) 4-Chloroaniline-d4        | 10.763 | 131 | 42372  | 14.385 | ng/u1 | 0.00  |
| 46) Dimethylphthalate-d6      | 13.877 | 166 | 136311 | 15.245 | ng/u1 | 0.00  |
| 49) Acenaphthylene-d8         | 14.159 | 160 | 130721 | 15.132 | ng/u1 | 0.00  |
| 54) 4-Nitrophenol-d4          | 14.665 | 143 | 18810  | 13.427 | ng/u1 | 0.00  |
| 60) Fluorene-d10              | 15.458 | 176 | 112744 | 15.542 | ng/u1 | 0.00  |
| 65) 4,6-Dinitro-2-methylph... | 15.581 | 200 | 25595  | 13.587 | ng/u1 | 0.00  |
| 73) Anthracene-d10            | 17.309 | 188 | 190436 | 14.456 | ng/u1 | 0.00  |
| 81) Pyrene-d10                | 19.594 | 212 | 214174 | 16.755 | ng/u1 | 0.00  |
| 92) Benzo(a)pyrene-d12        | 24.224 | 264 | 194503 | 15.207 | ng/u1 | -0.02 |

| Target Compounds              |        |     |       | Qvalue |           |
|-------------------------------|--------|-----|-------|--------|-----------|
| 2) 1,4-Dioxane                | 3.348  | 88  | 880m  | 1.548  | ng/uL     |
| 5) Pyridine                   | 3.742  | 79  | 6761  | 4.323  | ng/u1# 68 |
| 6) Benzaldehyde               | 6.985  | 77  | 5798  | 5.712  | ng/u1 84  |
| 8) Phenol                     | 7.038  | 94  | 9096  | 4.068  | ng/u1# 73 |
| 10) Bis(2-Chloroethyl)ether   | 7.267  | 93  | 6627  | 4.292  | ng/u1# 81 |
| 12) 2-Chlorophenol            | 7.408  | 128 | 7901  | 4.354  | ng/u1 96  |
| 13) 2-Methylphenol            | 8.284  | 108 | 7416  | 3.998  | ng/u1 89  |
| 14) 2,2'-oxybis(1-Chloropr... | 8.378  | 45  | 12360 | 4.300  | ng/u1# 94 |
| 16) Acetophenone              | 8.654  | 105 | 14268 | 4.519  | ng/u1 91  |
| 17) N-Nitroso-di-n-propyla... | 8.642  | 70  | 6276  | 4.226  | ng/u1# 96 |
| 18) 4-Methylphenol            | 8.607  | 108 | 7942  | 3.981  | ng/u1 94  |
| 19) Hexachloroethane          | 8.918  | 117 | 3592  | 4.489  | ng/u1# 76 |
| 22) Nitrobenzene              | 9.030  | 77  | 9708  | 4.069  | ng/u1 95  |
| 23) Isophorone                | 9.559  | 82  | 19213 | 4.187  | ng/u1 95  |
| 25) 2-Nitrophenol             | 9.747  | 139 | 5040  | 4.487  | ng/u1# 83 |
| 26) 2,4-Dimethylphenol        | 9.811  | 107 | 7927  | 3.183  | ng/u1 96  |
| 27) Bis(2-Chloroethoxy)met... | 10.041 | 93  | 9550  | 4.111  | ng/u1# 85 |
| 29) 2,4-Dichlorophenol        | 10.276 | 162 | 8298  | 4.174  | ng/u1# 89 |
| 30) Naphthalene               | 10.681 | 128 | 29337 | 4.402  | ng/u1# 91 |
| 32) 4-Chloroaniline           | 10.793 | 127 | 11238 | 3.871  | ng/u1 98  |
| 33) Hexachlorobutadiene       | 10.969 | 225 | 8179  | 4.580  | ng/u1 93  |
| 34) Caprolactam               | 11.551 | 113 | 3952m | 4.902  | ng/u1     |
| 35) 4-Chloro-3-methylphenol   | 11.909 | 107 | 10476 | 4.259  | ng/u1 92  |
| 36) 2-Methylnaphthalene       | 12.291 | 142 | 22669 | 4.468  | ng/u1 91  |

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 MDL-MED-SOIL-QT2-2025-04

Quant Time: Sep 15 16:14:16 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091125.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 12 11:06:20 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 09/16/2025  
 Supervised By :Jagrut Upadhyay 09/16/2025

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.508 | 142  | 22725    | 4.507 | ng/ul  | 86       |
| 39) 1,2,4,5-Tetrachloroben... | 12.661 | 216  | 13098    | 4.120 | ng/ul  | 93       |
| 40) Hexachlorocyclopentadiene | 12.643 | 237  | 8914     | 4.071 | ng/ul  | 93       |
| 41) 2,4,6-Trichlorophenol     | 12.902 | 196  | 8399     | 4.124 | ng/ul# | 74       |
| 42) 2,4,5-Trichlorophenol     | 12.972 | 196  | 8659     | 3.974 | ng/ul  | 89       |
| 43) 1,1'-Biphenyl             | 13.302 | 154  | 32146    | 4.340 | ng/ul# | 94       |
| 44) 2-Chloronaphthalene       | 13.343 | 162  | 23765    | 4.373 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.542 | 65   | 7691     | 3.941 | ng/ul# | 90       |
| 47) Dimethylphthalate         | 13.924 | 163  | 36211    | 4.359 | ng/ul# | 94       |
| 48) 2,6-Dinitrotoluene        | 14.042 | 165  | 6914     | 4.350 | ng/ul# | 84       |
| 50) Acenaphthylene            | 14.189 | 152  | 39957    | 4.300 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.371 | 138  | 6234     | 4.598 | ng/ul# | 90       |
| 52) Acenaphthene              | 14.535 | 153  | 27753    | 4.398 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.582 | 184  | 6015     | 5.619 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.676 | 109  | 9843     | 5.303 | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.864 | 168  | 42867    | 4.587 | ng/ul  | 89       |
| 57) 2,4-Dinitrotoluene        | 14.823 | 165  | 10592    | 4.134 | ng/ul# | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.088 | 232  | 9673     | 4.220 | ng/ul# | 94       |
| 59) Diethylphthalate          | 15.287 | 149  | 39623    | 4.356 | ng/ul  | 93       |
| 61) Fluorene                  | 15.517 | 166  | 36454    | 4.600 | ng/ul# | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.511 | 204  | 19643    | 4.701 | ng/ul  | 90       |
| 63) 4-Nitroaniline            | 15.528 | 138  | 5767     | 4.141 | ng/ul  | 81       |
| 66) 4,6-Dinitro-2-methylph... | 15.593 | 198  | 7770     | 4.059 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 15.722 | 169  | 31022    | 4.304 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.404 | 248  | 13688    | 4.418 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.515 | 284  | 15159    | 4.340 | ng/ul  | 94       |
| 70) Atrazine                  | 16.668 | 200  | 14284    | 4.019 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 16.862 | 266  | 10008    | 4.470 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.250 | 178  | 63785    | 4.444 | ng/ul  | 99       |
| 74) Anthracene                | 17.338 | 178  | 61481    | 4.208 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.266 | 216  | 13671    | 3.820 | ng/ul  | 90       |
| 76) Pentachlorobenzene        | 14.788 | 250  | 16778    | 4.286 | ng/ul  | 96       |
| 77) Carbazole                 | 17.608 | 167  | 51833    | 4.086 | ng/ul# | 97       |
| 78) Di-n-butylphthalate       | 18.178 | 149  | 53681    | 3.408 | ng/ul# | 97       |
| 80) Fluoranthene              | 19.259 | 202  | 72619    | 5.023 | ng/ul  | 98       |
| 82) Pyrene                    | 19.624 | 202  | 72500    | 4.869 | ng/ul# | 97       |
| 83) Butylbenzylphthalate      | 20.517 | 149  | 25031    | 4.299 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 20998    | 4.406 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.416 | 228  | 65689    | 4.317 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.345 | 149  | 36195    | 4.333 | ng/ul# | 99       |
| 87) Chrysene                  | 21.480 | 228  | 61989    | 4.328 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.479 | 149  | 60402    | 4.275 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.484 | 252  | 64368    | 4.313 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 23.548 | 252  | 64673    | 4.355 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.289 | 252  | 59784    | 4.312 | ng/ul# | 91       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.790 | 276  | 77828m   | 4.342 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 27.855 | 278  | 64178m   | 4.443 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 28.830 | 276  | 62739m   | 4.287 | ng/ul  |          |

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

