

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062625\  
 Data File : VD080484.D  
 Acq On : 26 Jun 2025 16:24  
 Operator : RP/MD  
 Sample : Q2126-01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jun 27 05:46:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062625S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 05:45:13 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025  
 Supervised By :Semsettin Yesilyurt 06/27/2025

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 7.876          | 168  | 420392              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.776          | 114  | 784511              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.582         | 117  | 689061              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.517         | 152  | 310760              | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.235          | 65   | 227626              | 55.231 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 110.460% |        |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 240636              | 54.778 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 109.560% |        |        |          |
| 50) Toluene-d8               | 10.270         | 98   | 967525              | 54.518 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 109.040% |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.570         | 95   | 310925              | 53.433 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 106.860% |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.935          | 85   | 9161                | 2.451  | ug/l   | 82       |
| 3) Chloromethane             | 2.147          | 50   | 13908               | 2.665  | ug/l # | 86       |
| 4) Vinyl Chloride            | 2.288          | 62   | 13916               | 2.628  | ug/l   | 94       |
| 5) Bromomethane              | 2.700          | 94   | 10176               | 3.477  | ug/l   | 96       |
| 6) Chloroethane              | 2.841          | 64   | 11740m              | 3.532  | ug/l   |          |
| 7) Trichlorofluoromethane    | 3.176          | 101  | 17416               | 2.615  | ug/l   | 91       |
| 8) Diethyl Ether             | 3.588          | 74   | 7152                | 2.758  | ug/l   | 82       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964          | 101  | 11494               | 2.609  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.170          | 142  | 12187               | 2.349  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.053          | 59   | 4664                | 13.899 | ug/l # | 71       |
| 12) 1,1-Dichloroethene       | 3.947          | 96   | 12554               | 2.639  | ug/l   | 94       |
| 13) Acrolein                 | 3.817          | 56   | 3241                | 7.087  | ug/l # | 59       |
| 14) Allyl chloride           | 4.570          | 41   | 21747m              | 2.610  | ug/l   |          |
| 15) Acrylonitrile            | 5.258          | 53   | 16790               | 13.610 | ug/l   | 97       |
| 16) Acetone                  | 4.023          | 43   | 13750m              | 12.913 | ug/l   |          |
| 17) Carbon Disulfide         | 4.276          | 76   | 36507               | 2.430  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.570          | 43   | 11106               | 3.429  | ug/l # | 83       |
| 19) Methyl tert-butyl Ether  | 5.317          | 73   | 30172               | 2.552  | ug/l   | 100      |
| 20) Methylene Chloride       | 4.800          | 84   | 38890               | 5.834  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.317          | 96   | 13752               | 2.591  | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.211          | 45   | 41571               | 2.584  | ug/l   | 91       |
| 23) Vinyl Acetate            | 6.152          | 43   | 106853              | 11.658 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.117          | 63   | 24854               | 2.633  | ug/l   | 97       |
| 25) 2-Butanone               | 7.088          | 43   | 17373               | 11.116 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.082          | 77   | 18745               | 2.510  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.082          | 96   | 16349               | 2.577  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.423          | 49   | 10655               | 2.864  | ug/l # | 99       |
| 29) Tetrahydrofuran          | 7.447          | 42   | 14953               | 15.187 | ug/l   | 92       |
| 30) Chloroform               | 7.594          | 83   | 24223               | 2.681  | ug/l   | 99       |
| 31) Cyclohexane              | 7.876          | 56   | 29283               | 3.202  | ug/l # | 75       |
| 32) 1,1,1-Trichloroethane    | 7.788          | 97   | 19552               | 2.588  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.011          | 75   | 16886               | 2.461  | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.170          | 43   | 8386m               | 2.515  | ug/l   |          |
| 38) Carbon Tetrachloride     | 7.994          | 117  | 16117               | 2.459  | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.276          | 83   | 23245               | 2.461  | ug/l   | 96       |
| 40) Benzene                  | 8.252          | 78   | 56805               | 2.580  | ug/l   | 95       |

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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jun 27 05:46:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062625S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 05:45:13 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025  
 Supervised By :Semsettin Yesilyurt 06/27/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 5660m    | 2.656  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.323  | 62   | 13859    | 2.675  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.358  | 43   | 17230    | 2.626  | ug/l # | 88       |
| 44) Trichloroethene           | 9.029  | 130  | 12905    | 2.418  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.311  | 63   | 12918    | 2.419  | ug/l   | 96       |
| 46) Dibromomethane            | 9.393  | 93   | 7289     | 2.560  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.582  | 83   | 17273    | 2.447  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.382  | 41   | 8607     | 2.593  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.399  | 88   | 1679     | 45.454 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 10.158 | 43   | 41003    | 12.304 | ug/l   | 100      |
| 52) Toluene                   | 10.329 | 92   | 35319    | 2.566  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 17765    | 2.513  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.017 | 75   | 21232    | 2.500  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.729 | 97   | 9811     | 2.528  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.593 | 69   | 13393    | 2.417  | ug/l # | 94       |
| 57) 1,3-Dichloropropane       | 10.876 | 76   | 16950    | 2.496  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 9.870  | 63   | 27832    | 13.153 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.923 | 43   | 28035    | 11.886 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.076 | 129  | 11728    | 2.448  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.176 | 107  | 9417     | 2.537  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.811 | 164  | 10343    | 2.418  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.605 | 112  | 36622    | 2.464  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.682 | 131  | 11577    | 2.479  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.682 | 91   | 63321    | 2.436  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.787 | 106  | 48428    | 4.893  | ug/l   | 100      |
| 69) o-Xylene                  | 12.117 | 106  | 23807    | 2.492  | ug/l   | 99       |
| 70) Styrene                   | 12.135 | 104  | 41884    | 2.592  | ug/l   | 96       |
| 71) Bromoform                 | 12.293 | 173  | 6647     | 2.499  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.417 | 105  | 58670    | 2.429  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.229 | 43   | 14678    | 2.320  | ug/l # | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.670 | 83   | 11962    | 2.659  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.717 | 75   | 6738m    | 2.551  | ug/l   |          |
| 77) Bromobenzene              | 12.699 | 156  | 13583    | 2.514  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.758 | 91   | 72375    | 2.489  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 40502    | 2.422  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.899 | 105  | 47293    | 2.414  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.470 | 75   | 4149m    | 2.334  | ug/l   |          |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 43742    | 2.546  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.164 | 119  | 40212    | 2.347  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.205 | 105  | 49049    | 2.508  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 60802    | 2.402  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.458 | 119  | 51013    | 2.436  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.458 | 146  | 27129    | 2.596  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 27761    | 2.662  | ug/l   | 91       |
| 89) n-Butylbenzene            | 13.781 | 91   | 50244    | 2.500  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.052 | 117  | 9766     | 2.414  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.829 | 146  | 23229    | 2.526  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.440 | 75   | 1710     | 2.520  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.093 | 180  | 15515    | 2.692  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.199 | 225  | 6708     | 2.522  | ug/l   | 95       |
| 95) Naphthalene               | 15.328 | 128  | 31880    | 2.490  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.517 | 180  | 13290    | 2.682  | ug/l   | 99       |

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ALS Vial : 16 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025  
Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 05:46:27 2025  
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Quant Title : SW846 8260  
QLast Update : Fri Jun 27 05:45:13 2025  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

