

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082725\  
 Data File : VD080500.D  
 Acq On : 27 Aug 2025 11:56  
 Operator : RP/MD  
 Sample : VSTDICC100  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC100

Quant Time: Aug 28 02:50:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082725S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 28 02:42:08 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/28/2025  
 Supervised By :Semsettin Yesilyurt 08/28/2025

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.876          | 168  | 428764               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.776          | 114  | 776153               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.576         | 117  | 684581               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.517         | 152  | 317127               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.229          | 65   | 428057               | 88.490  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 176.980%# |         |        |          |
| 35) Dibromofluoromethane     | 7.806          | 113  | 449270               | 97.237  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 194.480%# |         |        |          |
| 50) Toluene-d8               | 10.270         | 98   | 1774580              | 96.516  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 193.040%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.570         | 95   | 553954               | 96.522  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 193.040%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.935          | 85   | 301440               | 82.575  | ug/l   | 99       |
| 3) Chloromethane             | 2.147          | 50   | 498554               | 86.517  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.288          | 62   | 537684               | 90.410  | ug/l   | 100      |
| 5) Bromomethane              | 2.688          | 94   | 294955               | 88.251  | ug/l   | 99       |
| 6) Chloroethane              | 2.835          | 64   | 350503               | 90.292  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.176          | 101  | 631447               | 91.164  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.594          | 74   | 256660               | 93.509  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.965          | 101  | 405898               | 90.312  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.165          | 142  | 535144               | 103.139 | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.053          | 59   | 159103               | 454.496 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.941          | 96   | 436729               | 93.275  | ug/l   | 99       |
| 13) Acrolein                 | 3.794          | 56   | 172705               | 464.195 | ug/l   | 100      |
| 14) Allyl chloride           | 4.559          | 41   | 774655               | 95.338  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.253          | 53   | 592423               | 484.664 | ug/l   | 100      |
| 16) Acetone                  | 4.018          | 43   | 547024               | 483.032 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.270          | 76   | 1449269              | 91.535  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.565          | 43   | 310468               | 97.417  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.317          | 73   | 1177305              | 95.816  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.806          | 84   | 544836               | 87.580  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.312          | 96   | 501104               | 93.486  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.217          | 45   | 1594162              | 95.323  | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.153          | 43   | 4564974              | 479.678 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.112          | 63   | 910940               | 94.097  | ug/l   | 99       |
| 25) 2-Butanone               | 7.076          | 43   | 776977               | 484.532 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.076          | 77   | 721773               | 94.165  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.076          | 96   | 606581               | 94.820  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.429          | 49   | 376739               | 95.494  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.441          | 42   | 487170               | 480.767 | ug/l   | 100      |
| 30) Chloroform               | 7.594          | 83   | 878518               | 94.908  | ug/l   | 98       |
| 31) Cyclohexane              | 7.876          | 56   | 799164               | 88.194  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.794          | 97   | 725007               | 94.065  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 8.006          | 75   | 640385               | 94.154  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.170          | 43   | 321941               | 98.433  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.994          | 117  | 617244               | 95.351  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.270          | 83   | 839859               | 92.770  | ug/l   | 98       |
| 40) Benzene                  | 8.253          | 78   | 2069155              | 95.590  | ug/l   | 100      |

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Instrument :  
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 ClientSampleId :  
 VSTDICC100

Manual Integrations  
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Reviewed By :Mahesh Dadoda 08/28/2025  
 Supervised By :Semsettin Yesilyurt 08/28/2025

Quant Time: Aug 28 02:50:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082725S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 28 02:42:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.394  | 41   | 198233   | 102.087  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.323  | 62   | 502158   | 95.775   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.358  | 43   | 644515   | 96.854   | ug/l   | 100      |
| 44) Trichloroethene           | 9.029  | 130  | 502307   | 95.650   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 516050   | 96.129   | ug/l   | 99       |
| 46) Dibromomethane            | 9.394  | 93   | 281825   | 97.990   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.582  | 83   | 691040   | 98.559   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.382  | 41   | 320168   | 97.053   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.388  | 88   | 69544    | 1955.895 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.158 | 43   | 1625737  | 489.867  | ug/l   | 100      |
| 52) Toluene                   | 10.335 | 92   | 1294517  | 95.895   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 704715   | 98.623   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.017 | 75   | 832266   | 97.395   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.729 | 97   | 373432   | 96.842   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.594 | 69   | 527620   | 98.206   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.876 | 76   | 658609   | 97.318   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.870  | 63   | 1086905  | 522.784  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.917 | 43   | 1159709  | 491.811  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.070 | 129  | 473639   | 97.464   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.176 | 107  | 360476   | 98.246   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.805 | 164  | 400378   | 94.703   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.605 | 112  | 1395954  | 95.691   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.682 | 131  | 451772   | 97.091   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.682 | 91   | 2428013  | 96.160   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.788 | 106  | 1863385  | 191.662  | ug/l   | 100      |
| 69) o-Xylene                  | 12.117 | 106  | 898452   | 96.840   | ug/l   | 99       |
| 70) Styrene                   | 12.135 | 104  | 1534637  | 97.232   | ug/l   | 99       |
| 71) Bromoform                 | 12.294 | 173  | 258425   | 97.722   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.417 | 105  | 2211512  | 95.181   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.229 | 43   | 594795   | 96.466   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.670 | 83   | 421201   | 97.504   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.723 | 75   | 249142m  | 96.257   | ug/l   |          |
| 77) Bromobenzene              | 12.699 | 156  | 517427   | 96.249   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.758 | 91   | 2664856  | 94.453   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 1532462  | 95.320   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.899 | 105  | 1781159  | 94.339   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.464 | 75   | 167218   | 98.058   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 1569701  | 94.922   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.164 | 119  | 1564885  | 95.530   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.211 | 105  | 1816517  | 95.553   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.341 | 105  | 2291255  | 93.717   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.458 | 119  | 1935781  | 94.653   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.452 | 146  | 993501   | 95.849   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.535 | 146  | 990525   | 95.168   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.782 | 91   | 1837044  | 94.294   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.052 | 117  | 377444   | 95.415   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.829 | 146  | 884546   | 95.896   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.441 | 75   | 62613    | 96.585   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.093 | 180  | 555639   | 96.147   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.199 | 225  | 248714   | 94.688   | ug/l   | 98       |
| 95) Naphthalene               | 15.329 | 128  | 1200842  | 97.681   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.517 | 180  | 482227   | 97.475   | ug/l   | 99       |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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