

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062625\  
 Data File : VD080476.D  
 Acq On : 26 Jun 2025 11:47  
 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: Jun 27 05:01:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062625S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 04:51:56 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  | 476606               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.776          | 114  | 886509               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.582         | 117  | 753704               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.511         | 152  | 332568               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.229          | 65   | 495248               | 105.994 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 211.980%# |         |        |          |
| 35) Dibromofluoromethane     | 7.806          | 113  | 519449               | 104.641 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 209.280%# |         |        |          |
| 50) Toluene-d8               | 10.270         | 98   | 2080844              | 103.761 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 207.520%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.570         | 95   | 657307               | 99.962  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 199.920%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.935          | 85   | 417400               | 98.512  | ug/l   | 100      |
| 3) Chloromethane             | 2.147          | 50   | 586958               | 99.192  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.288          | 62   | 622844               | 103.759 | ug/l   | 99       |
| 5) Bromomethane              | 2.688          | 94   | 334406               | 100.794 | ug/l   | 100      |
| 6) Chloroethane              | 2.835          | 64   | 382717               | 101.574 | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.176          | 101  | 771272               | 102.135 | ug/l   | 100      |
| 8) Diethyl Ether             | 3.594          | 74   | 305750               | 104.014 | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.965          | 101  | 507412               | 101.573 | ug/l   | 99       |
| 10) Methyl Iodide            | 4.165          | 142  | 675275               | 114.787 | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.053          | 59   | 195847               | 514.793 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.941          | 96   | 552313               | 102.395 | ug/l   | 93       |
| 13) Acrolein                 | 3.794          | 56   | 258059               | 497.762 | ug/l   | 98       |
| 14) Allyl chloride           | 4.559          | 41   | 972311               | 102.947 | ug/l   | 99       |
| 15) Acrylonitrile            | 5.247          | 53   | 722496               | 516.594 | ug/l   | 99       |
| 16) Acetone                  | 4.018          | 43   | 538505               | 446.070 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.270          | 76   | 1821909              | 106.957 | ug/l   | 99       |
| 18) Methyl Acetate           | 4.559          | 43   | 408403               | 111.219 | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.317          | 73   | 1387433              | 103.501 | ug/l   | 99       |
| 20) Methylene Chloride       | 4.806          | 84   | 651009               | 100.804 | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.312          | 96   | 618088               | 102.733 | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.217          | 45   | 1856400              | 101.797 | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.153          | 43   | 5311943              | 511.194 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.112          | 63   | 1088730              | 101.747 | ug/l   | 98       |
| 25) 2-Butanone               | 7.076          | 43   | 864152               | 487.705 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.076          | 77   | 845300               | 99.825  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.082          | 96   | 741173               | 103.048 | ug/l   | 99       |
| 28) Bromochloromethane       | 7.429          | 49   | 420680               | 99.722  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.441          | 42   | 577601               | 517.433 | ug/l   | 99       |
| 30) Chloroform               | 7.594          | 83   | 1048607              | 102.374 | ug/l   | 100      |
| 31) Cyclohexane              | 7.876          | 56   | 1014260              | 97.822  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.794          | 97   | 878316               | 102.560 | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.006          | 75   | 779678               | 100.566 | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.164          | 43   | 372147               | 99.082  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.994          | 117  | 742921               | 100.296 | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.270          | 83   | 1063715              | 99.654  | ug/l   | 98       |
| 40) Benzene                  | 8.253          | 78   | 2499477              | 100.448 | ug/l   | 99       |

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 Sample : VSTDICC100  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

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

Quant Time: Jun 27 05:01:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062625S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 04:51:56 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.400  | 41   | 242371   | 100.640  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.323  | 62   | 586879   | 100.257  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.358  | 43   | 755658   | 101.899  | ug/l   | 99       |
| 44) Trichloroethene           | 9.029  | 130  | 607400   | 100.721  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 610447   | 101.154  | ug/l   | 97       |
| 46) Dibromomethane            | 9.394  | 93   | 324972   | 100.997  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.582  | 83   | 803984   | 100.788  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.376  | 41   | 383434   | 102.211  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.382  | 88   | 83456    | 1999.359 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.158 | 43   | 1905991  | 506.131  | ug/l   | 100      |
| 52) Toluene                   | 10.335 | 92   | 1557947  | 100.173  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 814921   | 101.998  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.017 | 75   | 976056   | 101.691  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.729 | 97   | 435406   | 99.266   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.594 | 69   | 634186   | 101.293  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.876 | 76   | 773300   | 100.763  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.870  | 63   | 1186815  | 496.334  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.917 | 43   | 1306633  | 490.250  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.070 | 129  | 542702   | 100.244  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.176 | 107  | 424713   | 101.268  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.805 | 164  | 478765   | 102.345  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.605 | 112  | 1636326  | 100.662  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.676 | 131  | 520687   | 101.919  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.682 | 91   | 2877559  | 101.209  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.788 | 106  | 2192278  | 202.488  | ug/l   | 99       |
| 69) o-Xylene                  | 12.117 | 106  | 1057845  | 101.253  | ug/l   | 97       |
| 70) Styrene                   | 12.135 | 104  | 1781417  | 100.807  | ug/l   | 99       |
| 71) Bromoform                 | 12.294 | 173  | 294157   | 101.098  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.417 | 105  | 2612764  | 101.063  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.229 | 43   | 682810   | 100.868  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.670 | 83   | 489059   | 101.592  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.717 | 75   | 287598m  | 100.941  | ug/l   |          |
| 77) Bromobenzene              | 12.699 | 156  | 592083   | 102.409  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.758 | 91   | 3140526  | 100.913  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 1815605  | 101.438  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.899 | 105  | 2124650  | 101.344  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.464 | 75   | 194848   | 102.419  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.941 | 91   | 1849585  | 100.606  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.164 | 119  | 1849894  | 100.884  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.205 | 105  | 2102190  | 100.438  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.341 | 105  | 2728150  | 100.730  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.458 | 119  | 2228825  | 99.443   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.452 | 146  | 1123591  | 100.485  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.535 | 146  | 1120455  | 100.389  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.782 | 91   | 2157745  | 100.309  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.046 | 117  | 436610   | 100.826  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.829 | 146  | 990885   | 100.676  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.440 | 75   | 73742    | 101.566  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.093 | 180  | 630872   | 102.299  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.199 | 225  | 289838   | 101.810  | ug/l   | 99       |
| 95) Naphthalene               | 15.329 | 128  | 1402444  | 102.346  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.517 | 180  | 546082   | 102.984  | ug/l   | 100      |

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Manual Integrations  
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Quant Time: Jun 27 05:01:26 2025  
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Quant Title : SW846 8260  
QLast Update : Fri Jun 27 04:51:56 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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