

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV070225\  
 Data File : VV038832.D  
 Acq On : 02 Jul 2025 09:39  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDICC001

Quant Time: Jul 03 02:22:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V070225W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 03 02:21:38 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/07/2025  
 Supervised By :Semsettin Yesilyurt 07/07/2025

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 4.600  | 168   | 429454   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 5.532  | 114   | 738646   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 8.773  | 117   | 679439   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.175 | 152   | 327124   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 0.000  | 65    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 81 - 118 | Recovery | =      | 0.000%#  |
| 35) Dibromofluoromethane     | 0.000  | 113   | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 80 - 119 | Recovery | =      | 0.000%#  |
| 50) Toluene-d8               | 0.000  | 98    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 89 - 112 | Recovery | =      | 0.000%#  |
| 62) 4-Bromofluorobenzene     | 0.000  | 95    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 85 - 114 | Recovery | =      | 0.000%#  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.121  | 85    | 4591     | 1.126    | ug/l   | 90       |
| 3) Chloromethane             | 1.230  | 50    | 6978     | 0.599    | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.298  | 62    | 5012     | 1.078    | ug/l # | 81       |
| 6) Chloroethane              | 1.561  | 64    | 3463     | 1.111    | ug/l # | 86       |
| 7) Trichlorofluoromethane    | 1.729  | 101   | 9127     | 1.109    | ug/l   | 96       |
| 8) Diethyl Ether             | 1.921  | 74    | 3359     | 1.173    | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 2.085  | 101   | 4940     | 1.062    | ug/l   | 91       |
| 12) 1,1-Dichloroethene       | 2.082  | 96    | 5202     | 1.176    | ug/l   | 93       |
| 14) Allyl chloride           | 2.368  | 41    | 5727     | 0.963    | ug/l # | 87       |
| 15) Acrylonitrile            | 2.706  | 53    | 9098     | 4.140    | ug/l   | 98       |
| 16) Acetone                  | 2.127  | 43    | 8494     | 5.296    | ug/l   | 92       |
| 17) Carbon Disulfide         | 2.256  | 76    | 11596    | 1.132    | ug/l   | 96       |
| 18) Methyl Acetate           | 2.404  | 43    | 5769m    | 1.055    | ug/l   |          |
| 19) Methyl tert-butyl Ether  | 2.709  | 73    | 12277    | 0.898    | ug/l   | 97       |
| 20) Methylene Chloride       | 2.462  | 84    | 6679     | 1.260    | ug/l   | 88       |
| 21) trans-1,2-Dichloroethene | 2.716  | 96    | 4459     | 1.008    | ug/l # | 84       |
| 22) Diisopropyl ether        | 3.227  | 45    | 9291     | 0.762    | ug/l # | 87       |
| 23) Vinyl Acetate            | 3.233  | 43    | 28660m   | 3.259    | ug/l   |          |
| 24) 1,1-Dichloroethane       | 3.134  | 63    | 8538     | 1.039    | ug/l   | 98       |
| 25) 2-Butanone               | 3.979  | 43    | 11672m   | 5.164    | ug/l   |          |
| 26) 2,2-Dichloropropane      | 3.815  | 77    | 7980     | 1.047    | ug/l   | 84       |
| 27) cis-1,2-Dichloroethene   | 3.857  | 96    | 4932m    | 0.957    | ug/l   |          |
| 28) Bromochloromethane       | 4.175  | 49    | 4073     | 1.159    | ug/l # | 97       |
| 29) Tetrahydrofuran          | 4.275  | 42    | 7174m    | 4.615    | ug/l   |          |
| 30) Chloroform               | 4.291  | 83    | 8523     | 0.952    | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 4.526  | 97    | 9222     | 1.109    | ug/l # | 41       |
| 36) 1,1-Dichloropropene      | 4.764  | 75    | 4090     | 0.720    | ug/l # | 76       |
| 37) Ethyl Acetate            | 3.979  | 43    | 5456     | 0.956    | ug/l # | 67       |
| 38) Carbon Tetrachloride     | 4.738  | 117   | 7094     | 0.949    | ug/l   | 86       |
| 39) Methylcyclohexane        | 6.043  | 83    | 6786     | 0.914    | ug/l   | 94       |
| 40) Benzene                  | 5.034  | 78    | 17404m   | 0.956    | ug/l   |          |
| 42) 1,2-Dichloroethane       | 5.072  | 62    | 6107     | 0.920    | ug/l   | 88       |
| 43) Isopropyl Acetate        | 5.233  | 43    | 8428m    | 0.916    | ug/l   |          |
| 44) Trichloroethene          | 5.851  | 130   | 4495     | 0.919    | ug/l   | 84       |
| 45) 1,2-Dichloropropane      | 6.108  | 63    | 4894m    | 1.039    | ug/l   |          |
| 46) Dibromomethane           | 6.259  | 93    | 3704     | 0.998    | ug/l # | 58       |

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 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/07/2025  
 Supervised By :Semsettin Yesilyurt 07/07/2025

Quant Time: Jul 03 02:22:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V070225W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 03 02:21:38 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 47) Bromodichloromethane      | 6.449  | 83   | 8148     | 1.036 | ug/l # | 84       |
| 48) Methyl methacrylate       | 6.371  | 41   | 4085m    | 0.981 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 7.166  | 43   | 22968m   | 4.002 | ug/l   |          |
| 52) Toluene                   | 7.333  | 92   | 8558     | 0.731 | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 7.609  | 75   | 6670m    | 0.913 | ug/l   |          |
| 54) cis-1,3-Dichloropropene   | 6.973  | 75   | 5923     | 0.770 | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 7.777  | 97   | 4629     | 0.904 | ug/l # | 84       |
| 56) Ethyl methacrylate        | 7.748  | 69   | 4783m    | 0.710 | ug/l   |          |
| 57) 1,3-Dichloropropane       | 7.950  | 76   | 7367     | 0.913 | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 6.844  | 63   | 12686m   | 4.312 | ug/l   |          |
| 59) 2-Hexanone                | 8.101  | 43   | 18723m   | 4.499 | ug/l   |          |
| 60) Dibromochloromethane      | 8.178  | 129  | 6477     | 1.004 | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 8.294  | 107  | 4432m    | 0.852 | ug/l   |          |
| 64) Tetrachloroethene         | 7.902  | 164  | 4766     | 1.091 | ug/l   | 89       |
| 65) Chlorobenzene             | 8.809  | 112  | 14382    | 1.004 | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 8.902  | 131  | 5334     | 0.998 | ug/l # | 63       |
| 67) Ethyl Benzene             | 8.953  | 91   | 18460    | 0.823 | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.072  | 106  | 11858    | 1.380 | ug/l   | 91       |
| 69) o-Xylene                  | 9.484  | 106  | 6352     | 0.774 | ug/l   | 98       |
| 70) Styrene                   | 9.510  | 104  | 11226m   | 0.782 | ug/l   |          |
| 71) Bromoform                 | 9.664  | 173  | 3843     | 0.884 | ug/l # | 100      |
| 73) Isopropylbenzene          | 9.863  | 105  | 15617    | 0.813 | ug/l   | 96       |
| 74) N-amyl acetate            | 9.754  | 43   | 5941m    | 0.905 | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 7150     | 1.027 | ug/l   | 92       |
| 76) 1,2,3-Trichloropropane    | 10.210 | 75   | 5077     | 1.003 | ug/l # | 56       |
| 77) Bromobenzene              | 10.162 | 156  | 4789     | 0.967 | ug/l   | 96       |
| 78) n-propylbenzene           | 10.288 | 91   | 19359    | 0.847 | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.358 | 91   | 12619    | 0.909 | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 12937    | 0.788 | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 10.477 | 91   | 12267    | 0.767 | ug/l   | 96       |
| 83) tert-Butylbenzene         | 10.792 | 119  | 14616    | 0.858 | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 12398    | 0.771 | ug/l   | 95       |
| 85) sec-Butylbenzene          | 11.014 | 105  | 17448    | 0.805 | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 11.169 | 119  | 15203    | 0.818 | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.120 | 146  | 9666     | 0.960 | ug/l   | 93       |
| 88) 1,4-Dichlorobenzene       | 11.201 | 146  | 11363m   | 1.071 | ug/l   |          |
| 89) n-Butylbenzene            | 11.590 | 91   | 13281    | 0.771 | ug/l   | 98       |
| 90) Hexachloroethane          | 11.821 | 117  | 4514     | 1.119 | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 11.583 | 146  | 8710     | 0.918 | ug/l   | 88       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.368 | 75   | 1335     | 0.906 | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.201 | 180  | 5107     | 0.830 | ug/l   | 90       |
| 94) Hexachlorobutadiene       | 13.368 | 225  | 3145     | 1.059 | ug/l   | 89       |
| 95) Naphthalene               | 13.439 | 128  | 15914m   | 0.813 | ug/l   |          |
| 96) 1,2,3-Trichlorobenzene    | 13.677 | 180  | 5637     | 0.888 | ug/l   | 89       |

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

