

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_R\Data\VR080425\  
 Data File : VR026690.D  
 Acq On : 4 Aug 2025 11:35  
 Operator : SY/MD  
 Sample : VSTDICC020  
 Misc : 5mL/MSVOA\_R/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTDICC020

Quant Time: Aug 05 01:55:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_R\methods\82R080425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 05 01:53:00 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025  
 Supervised By :Semsettin Yesilyurt 08/05/2025

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.305          | 168  | 719531     | 50.000   | ug/l   | 0.00     |
| 33) 1,4-Difluorobenzene      | 8.331          | 114  | 1312905    | 50.000   | ug/l   | 0.00     |
| 62) Chlorobenzene-d5         | 11.543         | 117  | 954916     | 50.000   | ug/l   | 0.00     |
| 71) 1,4-Dichlorobenzene-d4   | 13.748         | 152  | 434036     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 32) 1,2-Dichloroethane-d4    | 7.693          | 65   | 181444     | 19.924   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 39.840%# |        |          |
| 34) Dibromofluoromethane     | 7.208          | 113  | 151163     | 18.615   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 37.240%# |        |          |
| 49) Toluene-d8               | 10.039         | 98   | 556543     | 19.130   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 38.260%# |        |          |
| 61) 4-Bromofluorobenzene     | 12.676         | 95   | 153769     | 18.583   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 37.160%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.666          | 85   | 107890     | 20.574   | ug/l   | 90       |
| 3) Chloromethane             | 1.849          | 50   | 160046     | 20.531   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.965          | 62   | 164502     | 20.651   | ug/l   | 98       |
| 5) Bromomethane              | 2.308          | 94   | 81047      | 20.880   | ug/l   | 95       |
| 6) Chloroethane              | 2.433          | 64   | 103159     | 20.113   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 2.719          | 101  | 297463     | 20.718   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.082          | 74   | 132596     | 20.815   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.383          | 101  | 158372m    | 20.440   | ug/l   |          |
| 10) Methyl Iodide            | 3.557          | 142  | 154548     | 20.675   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.330          | 59   | 155018     | 108.797  | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 3.361          | 96   | 155596     | 20.329   | ug/l   | 93       |
| 13) Acrolein                 | 3.252          | 56   | 217295     | 104.327  | ug/l   | 100      |
| 14) Allyl chloride           | 3.890          | 41   | 327206     | 21.730   | ug/l   | 94       |
| 15) Acrylonitrile            | 4.490          | 53   | 594421     | 105.096  | ug/l   | 97       |
| 16) Acetone                  | 3.444          | 43   | 424340     | 99.279   | ug/l   | 91       |
| 17) Carbon Disulfide         | 3.646          | 76   | 229745     | 20.278   | ug/l   | 97       |
| 18) Methyl Acetate           | 3.903          | 43   | 384814     | 21.571   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 4.558          | 73   | 635546     | 20.749   | ug/l   | 98       |
| 20) Methylene Chloride       | 4.092          | 84   | 213485     | 21.047   | ug/l   | 88       |
| 21) trans-1,2-Dichloroethene | 4.542          | 96   | 174646     | 20.756   | ug/l   | 93       |
| 22) Diisopropyl ether        | 5.472          | 45   | 766520     | 21.723   | ug/l # | 91       |
| 23) Vinyl Acetate            | 5.395          | 43   | 2229998    | 110.838  | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 5.334          | 63   | 373639     | 20.909   | ug/l   | 99       |
| 25) 2-Butanone               | 6.377          | 43   | 696145     | 105.228  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 6.361          | 77   | 247672     | 20.049   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.358          | 96   | 216620     | 20.011   | ug/l   | 96       |
| 28) Bromochloromethane       | 6.759          | 49   | 132964     | 20.649   | ug/l   | 94       |
| 29) Chloroform               | 6.961          | 83   | 322135     | 20.811   | ug/l   | 100      |
| 30) Cyclohexane              | 7.285          | 56   | 290897     | 20.158   | ug/l   | 98       |
| 31) 1,1,1-Trichloroethane    | 7.183          | 97   | 226206     | 20.226   | ug/l   | 97       |
| 35) 1,1-Dichloropropene      | 7.439          | 75   | 200934     | 19.614   | ug/l   | 95       |
| 36) Ethyl Acetate            | 6.486          | 43   | 254007     | 20.711   | ug/l # | 91       |
| 37) Carbon Tetrachloride     | 7.420          | 117  | 166030     | 19.900   | ug/l   | 99       |
| 38) Methylcyclohexane        | 8.890          | 83   | 232298     | 19.810   | ug/l   | 94       |
| 39) Benzene                  | 7.712          | 78   | 749250     | 20.310   | ug/l   | 99       |
| 40) Methacrylonitrile        | 6.724          | 41   | 159645     | 20.946   | ug/l   | 94       |

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 Misc : 5mL/MSVOA\_R/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
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Manual Integrations  
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Reviewed By :Mahesh Dadoda 08/05/2025  
 Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:55:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_R\methods\82R080425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 05 01:53:00 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) 1,2-Dichloroethane        | 7.805  | 62   | 192089   | 20.471  | ug/l   | 98       |
| 42) Isopropyl Acetate         | 7.879  | 43   | 413545   | 20.971  | ug/l   | 97       |
| 43) Trichloroethene           | 8.611  | 130  | 148411   | 20.919  | ug/l   | 96       |
| 44) 1,2-Dichloropropane       | 8.925  | 63   | 175474   | 20.100  | ug/l   | 96       |
| 45) Dibromomethane            | 9.028  | 93   | 98706    | 20.330  | ug/l   | 97       |
| 46) Bromodichloromethane      | 9.249  | 83   | 189264   | 20.119  | ug/l # | 94       |
| 47) Methyl methacrylate       | 9.041  | 41   | 186017   | 21.552  | ug/l   | 97       |
| 48) 1,4-Dioxane               | 9.037  | 88   | 60240    | 433.293 | ug/l   | 94       |
| 50) 4-Methyl-2-Pentanone      | 9.923  | 43   | 1106981  | 107.522 | ug/l   | 97       |
| 51) Toluene                   | 10.112 | 92   | 375251   | 19.926  | ug/l   | 99       |
| 52) t-1,3-Dichloropropene     | 10.369 | 75   | 182656   | 19.810  | ug/l   | 95       |
| 53) cis-1,3-Dichloropropene   | 9.750  | 75   | 224892   | 20.335  | ug/l   | 99       |
| 54) 1,1,2-Trichloroethane     | 10.574 | 97   | 141994   | 20.646  | ug/l   | 98       |
| 55) Ethyl methacrylate        | 10.440 | 69   | 224921   | 19.803  | ug/l   | 95       |
| 56) 1,3-Dichloropropane       | 10.741 | 76   | 232187   | 19.820  | ug/l   | 96       |
| 57) 2-Chloroethyl Vinyl ether | 9.596  | 63   | 57895    | 92.238  | ug/l   | 98       |
| 58) 2-Hexanone                | 10.802 | 43   | 730182   | 105.205 | ug/l   | 99       |
| 59) Dibromochloromethane      | 10.959 | 129  | 118203   | 20.308  | ug/l   | 100      |
| 60) 1,2-Dibromoethane         | 11.078 | 107  | 119258   | 20.147  | ug/l   | 100      |
| 63) Tetrachloroethene         | 10.655 | 164  | 102147   | 19.581  | ug/l   | 95       |
| 64) Chlorobenzene             | 11.572 | 112  | 409083   | 20.584  | ug/l   | 96       |
| 65) 1,1,1,2-Tetrachloroethane | 11.659 | 131  | 108991   | 20.079  | ug/l   | 96       |
| 66) Ethyl Benzene             | 11.662 | 91   | 689946   | 20.792  | ug/l   | 98       |
| 67) m/p-Xylenes               | 11.791 | 106  | 548785   | 41.395  | ug/l   | 99       |
| 68) o-Xylene                  | 12.163 | 106  | 268657   | 20.876  | ug/l   | 99       |
| 69) Styrene                   | 12.179 | 104  | 442251   | 20.564  | ug/l   | 98       |
| 70) Bromoform                 | 12.359 | 173  | 63627    | 20.712  | ug/l   | 98       |
| 72) Isopropylbenzene          | 12.506 | 105  | 640697   | 20.710  | ug/l   | 100      |
| 73) N-amyl acetate            | 12.304 | 43   | 254032   | 20.710  | ug/l   | 99       |
| 74) 1,1,2,2-Tetrachloroethane | 12.792 | 83   | 186969   | 20.599  | ug/l   | 100      |
| 75) 1,2,3-Trichloropropane    | 12.843 | 75   | 148307m  | 20.394  | ug/l   |          |
| 76) Bromobenzene              | 12.817 | 156  | 143550   | 20.051  | ug/l   | 97       |
| 77) n-propylbenzene           | 12.894 | 91   | 773343   | 20.953  | ug/l   | 100      |
| 78) 2-Chlorotoluene           | 12.991 | 91   | 424142   | 20.255  | ug/l   | 97       |
| 79) 1,3,5-Trimethylbenzene    | 13.055 | 105  | 498123   | 20.591  | ug/l   | 98       |
| 80) trans-1,4-Dichloro-2-b... | 12.557 | 75   | 47058    | 19.050  | ug/l   | 89       |
| 81) 4-Chlorotoluene           | 13.100 | 91   | 427063   | 19.964  | ug/l   | 98       |
| 82) tert-Butylbenzene         | 13.353 | 119  | 451969   | 20.540  | ug/l   | 96       |
| 83) 1,2,4-Trimethylbenzene    | 13.401 | 105  | 489270   | 20.432  | ug/l   | 100      |
| 84) sec-Butylbenzene          | 13.555 | 105  | 671588   | 20.581  | ug/l   | 99       |
| 85) p-Isopropyltoluene        | 13.687 | 119  | 534274   | 20.080  | ug/l   | 99       |
| 86) 1,3-Dichlorobenzene       | 13.681 | 146  | 277663   | 19.783  | ug/l   | 99       |
| 87) 1,4-Dichlorobenzene       | 13.770 | 146  | 280913   | 19.940  | ug/l   | 98       |
| 88) n-Butylbenzene            | 14.053 | 91   | 495932   | 20.223  | ug/l   | 100      |
| 89) Hexachloroethane          | 14.354 | 117  | 79202    | 20.730  | ug/l   | 99       |
| 90) 1,2-Dichlorobenzene       | 14.101 | 146  | 269150   | 20.417  | ug/l   | 98       |
| 91) 1,2-Dibromo-3-Chloropr... | 14.791 | 75   | 26423    | 21.861  | ug/l   | 89       |
| 92) 1,2,4-Trichlorobenzene    | 15.564 | 180  | 163080   | 20.689  | ug/l   | 94       |
| 93) Hexachlorobutadiene       | 15.686 | 225  | 49796    | 19.443  | ug/l   | 99       |
| 94) Naphthalene               | 15.840 | 128  | 517072   | 21.406  | ug/l   | 100      |
| 95) 1,2,3-Trichlorobenzene    | 16.068 | 180  | 151242   | 20.210  | ug/l   | 93       |

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ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Aug 05 01:55:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_R\methods\82R080425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 05 01:53:00 2025  
Response via : Initial Calibration

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

