

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_R\Data\VR080725\  
 Data File : VR026723.D  
 Acq On : 7 Aug 2025 12:57  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_R/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Aug 08 01:37:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_R\methods\82R080425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 05 02:27:49 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.285  | 168  | 454070   | 50.000 | ug/l  | -0.02    |
| 33) 1,4-Difluorobenzene    | 8.319  | 114  | 779936   | 50.000 | ug/l  | -0.01    |
| 62) Chlorobenzene-d5       | 11.531 | 117  | 634587   | 50.000 | ug/l  | -0.01    |
| 71) 1,4-Dichlorobenzene-d4 | 13.732 | 152  | 314748   | 50.000 | ug/l  | -0.02    |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 32) 1,2-Dichloroethane-d4   | 7.674  | 65    | 269759   | 46.939   | ug/l | -0.02    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 93.880%  |
| 34) Dibromofluoromethane    | 7.189  | 113   | 234353   | 48.581   | ug/l | -0.02    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.160%  |
| 49) Toluene-d8              | 10.026 | 98    | 908615   | 52.574   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 105.140% |
| 61) 4-Bromofluorobenzene    | 12.667 | 95    | 260590   | 53.013   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 106.020% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.657 | 85  | 149812  | 45.269  | ug/l   | 98  |
| 3) Chloromethane             | 1.840 | 50  | 223185  | 45.370  | ug/l   | 92  |
| 4) Vinyl Chloride            | 1.955 | 62  | 256546  | 51.035  | ug/l   | 99  |
| 5) Bromomethane              | 2.292 | 94  | 125978  | 51.430  | ug/l   | 88  |
| 6) Chloroethane              | 2.421 | 64  | 153142  | 47.314  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 2.706 | 101 | 535474  | 59.099  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.069 | 74  | 182542  | 45.407  | ug/l   | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 3.364 | 101 | 228086  | 46.664  | ug/l # | 75  |
| 10) Methyl Iodide            | 3.541 | 142 | 208608  | 44.222  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.311 | 59  | 184078  | 204.721 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 3.348 | 96  | 214002  | 44.305  | ug/l   | 94  |
| 13) Acrolein                 | 3.232 | 56  | 293316  | 223.157 | ug/l   | 98  |
| 14) Allyl chloride           | 3.877 | 41  | 393148  | 41.373  | ug/l   | 96  |
| 15) Acrylonitrile            | 4.468 | 53  | 872713  | 244.506 | ug/l   | 95  |
| 16) Acetone                  | 3.428 | 43  | 761541  | 282.334 | ug/l   | 95  |
| 17) Carbon Disulfide         | 3.630 | 76  | 283379  | 39.634  | ug/l # | 93  |
| 18) Methyl Acetate           | 3.884 | 43  | 594118  | 52.774  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 4.535 | 73  | 851006  | 44.025  | ug/l   | 94  |
| 20) Methylene Chloride       | 4.073 | 84  | 291000  | 45.461  | ug/l   | 94  |
| 21) trans-1,2-Dichloroethene | 4.516 | 96  | 229490  | 43.220  | ug/l   | 91  |
| 22) Diisopropyl ether        | 5.447 | 45  | 1038910 | 46.655  | ug/l # | 93  |
| 23) Vinyl Acetate            | 5.373 | 43  | 3120191 | 245.750 | ug/l # | 93  |
| 24) 1,1-Dichloroethane       | 5.312 | 63  | 496662  | 44.043  | ug/l   | 99  |
| 25) 2-Butanone               | 6.355 | 43  | 1139109 | 272.849 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 6.332 | 77  | 328627  | 42.155  | ug/l # | 72  |
| 27) cis-1,2-Dichloroethene   | 6.339 | 96  | 307644  | 45.034  | ug/l   | 98  |
| 28) Bromochloromethane       | 6.733 | 49  | 181765  | 44.731  | ug/l   | 96  |
| 29) Chloroform               | 6.942 | 83  | 467351  | 47.844  | ug/l   | 97  |
| 30) Cyclohexane              | 7.263 | 56  | 378461  | 41.558  | ug/l   | 99  |
| 31) 1,1,1-Trichloroethane    | 7.170 | 97  | 328098  | 46.497  | ug/l   | 97  |
| 35) 1,1-Dichloropropene      | 7.417 | 75  | 303599  | 49.888  | ug/l # | 73  |
| 36) Ethyl Acetate            | 6.464 | 43  | 365832  | 50.213  | ug/l # | 82  |
| 37) Carbon Tetrachloride     | 7.394 | 117 | 247985  | 50.034  | ug/l   | 92  |
| 38) Methylcyclohexane        | 8.877 | 83  | 350737  | 50.349  | ug/l   | 97  |
| 39) Benzene                  | 7.693 | 78  | 1078131 | 49.195  | ug/l   | 99  |
| 40) Methacrylonitrile        | 6.711 | 41  | 240222  | 53.056  | ug/l # | 91  |

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 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_R/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Aug 08 01:37:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_R\methods\82R080425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 05 02:27:49 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) 1,2-Dichloroethane        | 7.783  | 62   | 284333   | 51.008   | ug/l   | 99       |
| 42) Isopropyl Acetate         | 7.860  | 43   | 604721   | 51.620   | ug/l   | 97       |
| 43) Trichloroethene           | 8.591  | 130  | 216347   | 51.332   | ug/l   | 89       |
| 44) 1,2-Dichloropropane       | 8.909  | 63   | 260974   | 50.321   | ug/l   | 98       |
| 45) Dibromomethane            | 9.012  | 93   | 151083   | 52.382   | ug/l   | 96       |
| 46) Bromodichloromethane      | 9.236  | 83   | 300207   | 53.720   | ug/l # | 94       |
| 47) Methyl methacrylate       | 9.021  | 41   | 290276   | 56.615   | ug/l   | 99       |
| 48) 1,4-Dioxane               | 9.009  | 88   | 88624    | 1073.056 | ug/l   | 97       |
| 50) 4-Methyl-2-Pentanone      | 9.910  | 43   | 1897560  | 310.262  | ug/l   | 97       |
| 51) Toluene                   | 10.096 | 92   | 620679   | 55.479   | ug/l   | 99       |
| 52) t-1,3-Dichloropropene     | 10.356 | 75   | 285117   | 52.053   | ug/l   | 98       |
| 53) cis-1,3-Dichloropropene   | 9.734  | 75   | 346148   | 52.686   | ug/l   | 94       |
| 54) 1,1,2-Trichloroethane     | 10.558 | 97   | 232974   | 57.022   | ug/l   | 96       |
| 55) Ethyl methacrylate        | 10.424 | 69   | 392428   | 58.161   | ug/l   | 97       |
| 56) 1,3-Dichloropropane       | 10.725 | 76   | 388554   | 55.832   | ug/l   | 99       |
| 57) 2-Chloroethyl Vinyl ether | 9.580  | 63   | 147528   | 395.656  | ug/l   | 98       |
| 58) 2-Hexanone                | 10.786 | 43   | 1344612  | 326.121  | ug/l   | 99       |
| 59) Dibromochloromethane      | 10.943 | 129  | 198387   | 57.374   | ug/l   | 96       |
| 60) 1,2-Dibromoethane         | 11.065 | 107  | 203805   | 57.958   | ug/l   | 99       |
| 63) Tetrachloroethene         | 10.645 | 164  | 167549   | 48.332   | ug/l   | 88       |
| 64) Chlorobenzene             | 11.560 | 112  | 680033   | 51.491   | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.646 | 131  | 191372   | 53.053   | ug/l   | 98       |
| 66) Ethyl Benzene             | 11.649 | 91   | 1143796  | 51.869   | ug/l   | 98       |
| 67) m/p-Xylenes               | 11.775 | 106  | 922131   | 104.667  | ug/l   | 100      |
| 68) o-Xylene                  | 12.150 | 106  | 444674   | 51.995   | ug/l   | 100      |
| 69) Styrene                   | 12.166 | 104  | 761575   | 53.289   | ug/l   | 98       |
| 70) Bromoform                 | 12.349 | 173  | 117590   | 57.600   | ug/l # | 99       |
| 72) Isopropylbenzene          | 12.497 | 105  | 1092118  | 48.682   | ug/l   | 100      |
| 73) N-amyl acetate            | 12.294 | 43   | 443332   | 49.841   | ug/l   | 99       |
| 74) 1,1,2,2-Tetrachloroethane | 12.779 | 83   | 338700   | 51.458   | ug/l   | 98       |
| 75) 1,2,3-Trichloropropane    | 12.830 | 75   | 247850m  | 47.506   | ug/l   |          |
| 76) Bromobenzene              | 12.805 | 156  | 250346   | 48.221   | ug/l   | 96       |
| 77) n-propylbenzene           | 12.885 | 91   | 1328618  | 49.640   | ug/l   | 99       |
| 78) 2-Chlorotoluene           | 12.975 | 91   | 718672   | 47.327   | ug/l   | 96       |
| 79) 1,3,5-Trimethylbenzene    | 13.042 | 105  | 858588   | 48.943   | ug/l   | 99       |
| 80) trans-1,4-Dichloro-2-b... | 12.551 | 75   | 89124    | 49.754   | ug/l   | 91       |
| 81) 4-Chlorotoluene           | 13.087 | 91   | 742286   | 47.851   | ug/l   | 97       |
| 82) tert-Butylbenzene         | 13.344 | 119  | 805062   | 50.454   | ug/l   | 95       |
| 83) 1,2,4-Trimethylbenzene    | 13.389 | 105  | 883409   | 50.873   | ug/l   | 99       |
| 84) sec-Butylbenzene          | 13.543 | 105  | 1208042  | 51.051   | ug/l   | 100      |
| 85) p-Isopropyltoluene        | 13.674 | 119  | 1008504  | 52.269   | ug/l   | 99       |
| 86) 1,3-Dichlorobenzene       | 13.668 | 146  | 527682   | 51.844   | ug/l   | 98       |
| 87) 1,4-Dichlorobenzene       | 13.758 | 146  | 518139   | 50.719   | ug/l   | 98       |
| 88) n-Butylbenzene            | 14.043 | 91   | 915048   | 51.456   | ug/l   | 99       |
| 89) Hexachloroethane          | 14.339 | 117  | 136462   | 49.253   | ug/l   | 89       |
| 90) 1,2-Dichlorobenzene       | 14.085 | 146  | 488493   | 51.100   | ug/l   | 97       |
| 91) 1,2-Dibromo-3-Chloropr... | 14.781 | 75   | 46026    | 52.512   | ug/l   | 95       |
| 92) 1,2,4-Trichlorobenzene    | 15.545 | 180  | 305638   | 53.469   | ug/l   | 98       |
| 93) Hexachlorobutadiene       | 15.677 | 225  | 95484    | 51.411   | ug/l   | 98       |
| 94) Naphthalene               | 15.824 | 128  | 999070   | 57.034   | ug/l   | 100      |
| 95) 1,2,3-Trichlorobenzene    | 16.049 | 180  | 305598   | 56.313   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5mL/MSVOA\_R/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

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

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Quant Title : SW846 8260  
QLast Update : Tue Aug 05 02:27:49 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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