

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051225\  
 Data File : VX046129.D  
 Acq On : 12 May 2025 11:40  
 Operator : JC/MD  
 Sample : VX0512WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0512WBSD01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025  
 Supervised By :Semsettin Yesilyurt 05/13/2025

Quant Time: May 13 03:15:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.543          | 168  | 90547               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 155274              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 138103              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 65121               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 91593               | 54.258  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 108.520% |         |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 62528               | 55.922  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 111.840% |         |        |          |
| 50) Toluene-d8               | 8.646          | 98   | 214247              | 55.361  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 110.720% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 82285               | 55.430  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 110.860% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 29020               | 20.940  | ug/l   | 100      |
| 3) Chloromethane             | 1.306          | 50   | 26361               | 19.614  | ug/l   | 94       |
| 4) Vinyl Chloride            | 1.373          | 62   | 24378               | 19.490  | ug/l   | 94       |
| 5) Bromomethane              | 1.599          | 94   | 10627               | 18.318  | ug/l   | 98       |
| 6) Chloroethane              | 1.678          | 64   | 13641               | 20.429  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.879          | 101  | 38871               | 21.027  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.129          | 74   | 12896               | 20.493  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.324          | 101  | 23693               | 20.711  | ug/l   | 100      |
| 10) Methyl Iodide            | 2.446          | 142  | 28141               | 20.789  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 2.965          | 59   | 24712               | 104.289 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.312          | 96   | 21250               | 19.792  | ug/l   | 99       |
| 13) Acrolein                 | 2.233          | 56   | 29090               | 107.798 | ug/l   | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 42771               | 20.844  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062          | 53   | 72828               | 107.486 | ug/l   | 99       |
| 16) Acetone                  | 2.379          | 43   | 68932               | 101.843 | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.507          | 76   | 47298               | 18.582  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.702          | 43   | 35788               | 22.786  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 79958               | 21.242  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 25142               | 19.384  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 21507               | 19.919  | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.757          | 45   | 84296               | 21.267  | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.714          | 43   | 370709              | 106.337 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 45533               | 20.625  | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 106215              | 108.092 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.470          | 77   | 33879               | 19.606  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 26937               | 20.724  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.891          | 49   | 23994               | 22.579  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 65104               | 105.733 | ug/l   | 100      |
| 30) Chloroform               | 5.086          | 83   | 48854               | 21.231  | ug/l   | 96       |
| 31) Cyclohexane              | 5.470          | 56   | 39946               | 19.856  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 41800               | 20.956  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 30550               | 20.335  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.714          | 43   | 39244               | 21.143  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.665          | 117  | 35052               | 20.765  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.372          | 83   | 38371               | 19.839  | ug/l   | 91       |
| 40) Benzene                  | 6.031          | 78   | 93636               | 21.279  | ug/l   | 98       |

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 ALS Vial : 6 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.915  | 41   | 22543    | 23.217  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 41686    | 21.949  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 61673    | 21.780  | ug/l   | 99       |
| 44) Trichloroethene           | 7.122  | 130  | 22132    | 20.897  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 24163    | 22.083  | ug/l   | 96       |
| 46) Dibromomethane            | 7.580  | 93   | 18327    | 21.236  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.817  | 83   | 36765    | 21.630  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.689  | 41   | 31827    | 22.008  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 12246    | 445.986 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 210654   | 112.074 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 57683    | 21.378  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 31059    | 20.558  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 35195    | 21.077  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 23569    | 22.152  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 38201    | 22.528  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 41733    | 21.841  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 101616   | 117.544 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 156206   | 112.331 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 26138    | 22.370  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 23830    | 21.550  | ug/l   | 95       |
| 64) Tetrachloroethene         | 9.268  | 164  | 19389    | 19.843  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 61464    | 20.334  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 21905    | 21.222  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 110716   | 20.779  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 81436    | 41.788  | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 39735    | 20.915  | ug/l   | 97       |
| 70) Styrene                   | 10.652 | 104  | 68081    | 21.875  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 15782    | 20.366  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.957 | 105  | 108371   | 21.376  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 52902    | 21.117  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 37972    | 21.373  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 35477m   | 22.633  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 24741    | 21.020  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.298 | 91   | 123711   | 20.986  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.359 | 91   | 79425    | 20.889  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 90961    | 21.476  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 8807     | 18.292  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 89660    | 21.264  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 89957    | 21.085  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 92554    | 21.578  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 111541   | 21.293  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 92876    | 21.480  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 44917    | 20.910  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 44793    | 20.418  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 77975    | 20.559  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 15809    | 20.753  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 46266    | 21.463  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75   | 8329     | 21.162  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 25808    | 20.845  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 11504    | 21.275  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 91286    | 20.103  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 26054    | 20.394  | ug/l   | 98       |

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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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