

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061725\  
 Data File : VX046718.D  
 Acq On : 17 Jun 2025 11:19  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Quant Time: Jun 18 02:37:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061725W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 18 02:34:13 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.562  | 168   | 130530   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 217019   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 195782   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 100990   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 10456    | 5.791    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 11.580%# |
| 35) Dibromofluoromethane     | 5.403  | 113   | 7865     | 5.478    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 10.960%# |
| 50) Toluene-d8               | 8.653  | 98    | 29120    | 5.645    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 11.280%# |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 11137    | 5.791    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 11.580%# |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.179  | 85    | 6051     | 4.342    | ug/l   | 99       |
| 3) Chloromethane             | 1.307  | 50    | 7066     | 4.698    | ug/l   | 90       |
| 4) Vinyl Chloride            | 1.386  | 62    | 7425     | 4.629    | ug/l   | 99       |
| 5) Bromomethane              | 1.617  | 94    | 4837     | 5.360    | ug/l   | 95       |
| 6) Chloroethane              | 1.703  | 64    | 4575     | 4.706    | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 1.904  | 101   | 11714    | 4.810    | ug/l   | 92       |
| 8) Diethyl Ether             | 2.148  | 74    | 4038     | 4.831    | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.349  | 101   | 7353     | 4.921    | ug/l   | 96       |
| 10) Methyl Iodide            | 2.465  | 142   | 5830     | 7.181    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.959  | 59    | 3134     | 19.340   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.337  | 96    | 6884     | 4.775    | ug/l   | 91       |
| 13) Acrolein                 | 2.251  | 56    | 6208     | 26.301   | ug/l   | 100      |
| 14) Allyl chloride           | 2.678  | 41    | 12195    | 4.668    | ug/l   | 99       |
| 15) Acrylonitrile            | 3.081  | 53    | 17611    | 24.169   | ug/l   | 99       |
| 16) Acetone                  | 2.392  | 43    | 14275    | 23.710   | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.526  | 76    | 19624    | 4.507    | ug/l   | 100      |
| 18) Methyl Acetate           | 2.721  | 43    | 7530     | 4.924    | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.123  | 73    | 21254    | 4.734    | ug/l   | 97       |
| 20) Methylene Chloride       | 2.800  | 84    | 8556     | 5.110    | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.111  | 96    | 7425     | 4.813    | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.769  | 45    | 24580    | 4.895    | ug/l # | 67       |
| 23) Vinyl Acetate            | 3.739  | 43    | 92889    | 23.264   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.623  | 63    | 13761    | 4.827    | ug/l   | 99       |
| 25) 2-Butanone               | 4.580  | 43    | 20821    | 24.452   | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.483  | 77    | 10020    | 4.819    | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.507  | 96    | 8891     | 4.906    | ug/l   | 99       |
| 28) Bromochloromethane       | 4.910  | 49    | 6884     | 5.326    | ug/l # | 96       |
| 29) Tetrahydrofuran          | 5.025  | 42    | 13402    | 24.367   | ug/l   | 99       |
| 30) Chloroform               | 5.099  | 83    | 14385    | 5.046    | ug/l   | 86       |
| 31) Cyclohexane              | 5.483  | 56    | 12835    | 4.748    | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.397  | 97    | 12150    | 4.859    | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.702  | 75    | 10359    | 4.998    | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.733  | 43    | 8763     | 4.580    | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.690  | 117   | 11043    | 4.909    | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.391  | 83    | 13704    | 5.024    | ug/l # | 87       |
| 40) Benzene                  | 6.050  | 78    | 31061    | 5.064    | ug/l   | 97       |

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 Acq On : 17 Jun 2025 11:19  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Quant Time: Jun 18 02:37:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061725W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 18 02:34:13 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.940  | 41   | 4488     | 4.400   | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 6.104  | 62   | 11029    | 5.116   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 14711    | 4.914   | ug/l   | 97       |
| 44) Trichloroethene           | 7.135  | 130  | 7703     | 4.927   | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 7529     | 4.952   | ug/l   | 97       |
| 46) Dibromomethane            | 7.592  | 93   | 5267     | 4.821   | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.824  | 83   | 11072    | 4.966   | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.702  | 41   | 6864     | 4.571   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 1949     | 113.091 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 44282    | 24.800  | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 19190    | 5.046   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 9497     | 4.591   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 11188    | 4.764   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 7151     | 5.046   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 10101    | 4.828   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 12483    | 5.115   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 26158    | 24.071  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 30938    | 25.062  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 8249     | 4.939   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 7221     | 5.009   | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 6755     | 4.980   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 21807    | 5.046   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 7006     | 4.823   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 37295    | 4.939   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 27609    | 9.812   | ug/l   | 96       |
| 69) o-Xylene                  | 10.640 | 106  | 13421    | 5.090   | ug/l   | 97       |
| 70) Styrene                   | 10.659 | 104  | 22403    | 4.855   | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 5248     | 4.744   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 36281    | 4.878   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 12496    | 4.434   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 10468    | 5.040   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 9687m    | 4.722   | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 8694     | 4.857   | ug/l   | 95       |
| 78) n-propylbenzene           | 11.305 | 91   | 42848    | 4.850   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 26221    | 4.971   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 29167    | 4.772   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 2663     | 4.070   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 30097    | 4.889   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 30728    | 4.864   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 30213    | 4.920   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 39588    | 4.958   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 33076    | 4.909   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 17198    | 4.928   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 17600    | 4.910   | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.329 | 91   | 29990    | 4.688   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 5285     | 4.480   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 16203    | 4.968   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 1982     | 4.834   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 10507    | 4.532   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 4953     | 5.078   | ug/l   | 95       |
| 95) Naphthalene               | 13.774 | 128  | 29158    | 4.414   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 10725    | 4.835   | ug/l   | 96       |

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Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Quant Time: Jun 18 02:37:34 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061725W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 18 02:34:13 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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