

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111225\  
 Data File : VX048563.D  
 Acq On : 12 Nov 2025 09:11  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/14/2025  
 Supervised By : Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 00:22:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 08 05:08:11 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.525  | 168  | 168053   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 6.739  | 114  | 278642   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 246918   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 123894   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 5.934  | 65    | 108339   | 46.265   | ug/l | -0.01   |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 92.540% |
| 35) Dibromofluoromethane  | 5.361  | 113   | 91716    | 43.489   | ug/l | -0.01   |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 86.980% |
| 50) Toluene-d8            | 8.629  | 98    | 312401   | 47.496   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 95.000% |
| 62) 4-Bromofluorobenzene  | 11.061 | 95    | 117449   | 47.915   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 95.840% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.173 | 85  | 74953   | 55.042  | ug/l | 99     |
| 3) Chloromethane             | 1.301 | 50  | 88393   | 48.941  | ug/l | 98     |
| 4) Vinyl Chloride            | 1.380 | 62  | 103794  | 50.757  | ug/l | 98     |
| 5) Bromomethane              | 1.611 | 94  | 70626   | 54.695  | ug/l | 97     |
| 6) Chloroethane              | 1.691 | 64  | 64822   | 48.403  | ug/l | 100    |
| 7) Trichlorofluoromethane    | 1.892 | 101 | 159394  | 49.269  | ug/l | 97     |
| 8) Diethyl Ether             | 2.130 | 74  | 66616   | 51.298  | ug/l | 94     |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 94649   | 50.536  | ug/l | 99     |
| 10) Methyl Iodide            | 2.453 | 142 | 138090  | 49.820  | ug/l | 99     |
| 11) Tert butyl alcohol       | 2.934 | 59  | 113518  | 255.831 | ug/l | 98     |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 95236   | 48.681  | ug/l | 99     |
| 13) Acrolein                 | 2.233 | 56  | 41256   | 642.610 | ug/l | 95     |
| 14) Allyl chloride           | 2.660 | 41  | 179011  | 49.147  | ug/l | 99     |
| 15) Acrylonitrile            | 3.050 | 53  | 351942  | 271.701 | ug/l | 100    |
| 16) Acetone                  | 2.367 | 43  | 293921  | 265.165 | ug/l | 100    |
| 17) Carbon Disulfide         | 2.514 | 76  | 253355  | 46.022  | ug/l | 100    |
| 18) Methyl Acetate           | 2.691 | 43  | 157884  | 51.831  | ug/l | 96     |
| 19) Methyl tert-butyl Ether  | 3.099 | 73  | 358408  | 51.880  | ug/l | 98     |
| 20) Methylene Chloride       | 2.782 | 84  | 111767  | 49.045  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 100275  | 48.362  | ug/l | 98     |
| 22) Diisopropyl ether        | 3.739 | 45  | 362083  | 51.770  | ug/l | 87     |
| 23) Vinyl Acetate            | 3.703 | 43  | 1617560 | 264.071 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 191362  | 49.864  | ug/l | 100    |
| 25) 2-Butanone               | 4.526 | 43  | 432013  | 263.462 | ug/l | 99     |
| 26) 2,2-Dichloropropane      | 4.459 | 77  | 158830  | 48.547  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene   | 4.471 | 96  | 123664  | 48.793  | ug/l | 98     |
| 28) Bromochloromethane       | 4.879 | 49  | 83297   | 44.183  | ug/l | 98     |
| 29) Tetrahydrofuran          | 4.971 | 42  | 295767  | 252.899 | ug/l | 99     |
| 30) Chloroform               | 5.074 | 83  | 193225  | 48.771  | ug/l | 99     |
| 31) Cyclohexane              | 5.452 | 56  | 153589  | 48.845  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane    | 5.361 | 97  | 165870  | 47.973  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.672 | 75  | 128334  | 45.445  | ug/l | 99     |
| 37) Ethyl Acetate            | 4.684 | 43  | 195174  | 49.099  | ug/l | 98     |
| 38) Carbon Tetrachloride     | 5.660 | 117 | 147817  | 45.983  | ug/l | 96     |
| 39) Methylcyclohexane        | 7.360 | 83  | 156778  | 49.444  | ug/l | 98     |
| 40) Benzene                  | 6.019 | 78  | 404835  | 46.247  | ug/l | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 14 00:22:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 08 05:08:11 2025  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By :John Carlone 11/14/2025  
 Supervised By :Mahesh Dadoda 11/17/2025

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.891  | 41   | 88184    | 50.444   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.062  | 62   | 143217   | 47.751   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.312  | 43   | 271982   | 48.674   | ug/l   | 100      |
| 44) Trichloroethene           | 7.104  | 130  | 103452   | 49.443   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 104157   | 51.749   | ug/l   | 99       |
| 46) Dibromomethane            | 7.562  | 93   | 77897    | 53.063   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.799  | 83   | 156711   | 53.510   | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.671  | 41   | 135482   | 54.542   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.635  | 88   | 42057    | 1111.159 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43   | 891859   | 280.392  | ug/l   | 100      |
| 52) Toluene                   | 8.696  | 92   | 250966   | 54.455   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 161238   | 53.431   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 173482   | 55.519   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.135  | 97   | 104564   | 56.788   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 177610   | 57.977   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.287  | 76   | 174367   | 54.405   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.220  | 63   | 469773   | 285.229  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.409  | 43   | 672635   | 284.289  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.500  | 129  | 126810   | 56.093   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 112967   | 56.644   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.256  | 164  | 87372    | 48.718   | ug/l   | 94       |
| 65) Chlorobenzene             | 10.061 | 112  | 284935   | 48.618   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131  | 102077   | 51.982   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 482926   | 49.071   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.281 | 106  | 371283   | 100.171  | ug/l   | 98       |
| 69) o-Xylene                  | 10.622 | 106  | 177381   | 48.914   | ug/l   | 99       |
| 70) Styrene                   | 10.634 | 104  | 308822   | 50.766   | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 91596    | 50.559   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 459039   | 51.044   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.823 | 43   | 227306   | 50.339   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 158775   | 50.065   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.220 | 75   | 133797m  | 44.826   | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 117077   | 50.417   | ug/l   | 100      |
| 78) n-propylbenzene           | 11.287 | 91   | 539641   | 51.033   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.348 | 91   | 317700   | 49.720   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 372484   | 50.808   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 56132    | 53.791   | ug/l # | 91       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 377673   | 50.388   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 389804   | 51.407   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 379754   | 51.339   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.872 | 105  | 470949   | 50.251   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 398406   | 50.565   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 215145   | 49.432   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.018 | 146  | 217566   | 48.395   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.311 | 91   | 374090   | 50.611   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.518 | 117  | 73049    | 48.661   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 206667   | 49.463   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 36888    | 50.052   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 134042   | 48.278   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 55783    | 48.062   | ug/l   | 98       |
| 95) Naphthalene               | 13.756 | 128  | 467461   | 52.367   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.939 | 180  | 128487   | 49.753   | ug/l   | 100      |

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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/14/2025  
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Quant Time: Nov 14 00:22:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 08 05:08:11 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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