

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060225\  
 Data File : VX046436.D  
 Acq On : 02 Jun 2025 11:37  
 Operator : JC/MD  
 Sample : VX0602WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0602WBS01

Quant Time: Jun 03 01:26:27 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

### Manual Integrations APPROVED

Reviewed By : John Carlone 06/03/2025  
 Supervised By : Mahesh Dadoda 06/03/2025

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 88536      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 152496     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 133074     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 62985      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 81779      | 49.545   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 99.100%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 56635      | 51.574   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 103.140% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 186909     | 49.176   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 98.360%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 72578      | 49.782   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 99.560%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 23506      | 17.346   | ug/l   | 98       |
| 3) Chloromethane             | 1.307          | 50   | 22102      | 16.819   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 20532      | 16.788   | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 9622       | 16.962   | ug/l   | 95       |
| 6) Chloroethane              | 1.672          | 64   | 12240      | 18.747   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 33475      | 18.520   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 11538      | 18.751   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 20773      | 18.571   | ug/l   | 96       |
| 10) Methyl Iodide            | 2.447          | 142  | 21976      | 16.603   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.971          | 59   | 24392      | 105.277  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.313          | 96   | 19219      | 18.307   | ug/l   | 95       |
| 13) Acrolein                 | 2.233          | 56   | 18773      | 71.147   | ug/l   | 99       |
| 14) Allyl chloride           | 2.660          | 41   | 39924      | 19.898   | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062          | 53   | 69682      | 105.178  | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 68714      | 103.827  | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.508          | 76   | 35508      | 14.267   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 40636      | 26.460   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 74489      | 20.238   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 22771      | 17.955   | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 18972      | 17.970   | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.757          | 45   | 80074      | 20.661   | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.721          | 43   | 329548     | 96.677   | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 43497      | 20.150   | ug/l   | 97       |
| 25) 2-Butanone               | 4.556          | 43   | 102193     | 106.362  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 33061      | 19.568   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 24850      | 19.552   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.897          | 49   | 24218      | 23.308   | ug/l   | 97       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 61963      | 102.917  | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 46046      | 20.465   | ug/l   | 98       |
| 31) Cyclohexane              | 5.464          | 56   | 34651      | 17.615   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 39441      | 20.222   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 28111      | 19.052   | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.715          | 43   | 34443      | 18.894   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 32524      | 19.619   | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.373          | 83   | 32861      | 17.300   | ug/l   | 95       |
| 40) Benzene                  | 6.031          | 78   | 85438      | 19.769   | ug/l   | 98       |

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 Sample : VX0602WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0602WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/03/2025  
 Supervised By : Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 01:26:27 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) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 20917    | 21.935  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 38577    | 20.682  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 58295    | 20.962  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 19980    | 19.209  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 22983    | 21.387  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 17464    | 20.605  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 35845    | 21.473  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.690  | 41   | 29517    | 20.783  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 11669    | 432.714 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 202459   | 109.676 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 52805    | 19.926  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 29318    | 19.759  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 33195    | 20.241  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 22250    | 21.294  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 34831    | 20.915  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 38891    | 20.724  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 93203    | 109.776 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 148658   | 108.850 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 24578    | 21.418  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 22104    | 20.353  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 18215    | 19.346  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.073 | 112  | 57059    | 19.590  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 20532    | 20.644  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 101823   | 19.832  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 74323    | 39.580  | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 37109    | 20.271  | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 62853    | 20.959  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 15441    | 20.679  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 101234   | 20.645  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 48849    | 20.160  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 35209    | 20.490  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 30830m   | 20.335  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 22658    | 19.903  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.299 | 91   | 115685   | 20.290  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 72338    | 19.670  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.445 | 105  | 83916    | 20.484  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 9016     | 19.361  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 83537    | 20.483  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 84788    | 20.548  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 82965    | 19.999  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 104197   | 20.566  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 84743    | 20.263  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 41522    | 19.985  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 41955    | 19.773  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 72058    | 19.643  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 14875    | 20.189  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 42513    | 20.391  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 8304     | 21.814  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 22410    | 18.714  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 10496    | 20.069  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 86022    | 19.586  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 25111    | 20.323  | ug/l   | 97       |

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Sample : VX0602WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/03/2025  
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 01:26:27 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

