

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072825\  
 Data File : VX047155.D  
 Acq On : 28 Jul 2025 10:45  
 Operator : JC/MD  
 Sample : VX0728WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0728WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/29/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:12:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 313373     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 525191     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 469756     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 234098     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 177972     | 45.591   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 91.180%  |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 154941     | 47.781   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 95.560%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 479039     | 45.617   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 91.240%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 214565     | 47.412   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 94.820%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.185          | 85   | 77791      | 18.689   | ug/l   | 96       |
| 3) Chloromethane             | 1.313          | 50   | 66503      | 16.152   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.392          | 62   | 85341      | 19.282   | ug/l   | 99       |
| 5) Bromomethane              | 1.630          | 94   | 46561      | 19.366   | ug/l   | 96       |
| 6) Chloroethane              | 1.709          | 64   | 49163      | 16.912   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.904          | 101  | 123124     | 18.656   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.148          | 74   | 41954      | 18.029   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.349          | 101  | 73027      | 18.366   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.471          | 142  | 100813     | 24.878   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 38716      | 77.755   | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.337          | 96   | 72370      | 18.376   | ug/l   | 93       |
| 13) Acrolein                 | 2.252          | 56   | 68505      | 81.503   | ug/l   | 99       |
| 14) Allyl chloride           | 2.678          | 41   | 121672     | 17.092   | ug/l   | 94       |
| 15) Acrylonitrile            | 3.075          | 53   | 167430     | 89.931   | ug/l   | 100      |
| 16) Acetone                  | 2.386          | 43   | 147339     | 94.218   | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.532          | 76   | 199293     | 17.492   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.709          | 43   | 81763      | 19.675   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 229733     | 19.168   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.800          | 84   | 77228      | 17.951   | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.105          | 96   | 73614      | 18.267   | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.764          | 45   | 261012     | 19.070   | ug/l   | 90       |
| 23) Vinyl Acetate            | 3.727          | 43   | 1039901    | 94.729   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.623          | 63   | 141618     | 18.607   | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 210409     | 92.405   | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 113846     | 19.324   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 88078      | 18.456   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.904          | 49   | 77491      | 22.131   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 127440     | 86.743   | ug/l   | 98       |
| 30) Chloroform               | 5.105          | 83   | 143538     | 18.527   | ug/l   | 96       |
| 31) Cyclohexane              | 5.483          | 56   | 134270     | 18.399   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 125352     | 18.628   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 99171      | 17.941   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.721          | 43   | 90744      | 17.816   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 111694     | 18.933   | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.385          | 83   | 128033     | 18.552   | ug/l   | 97       |
| 40) Benzene                  | 6.044          | 78   | 298722     | 18.674   | ug/l   | 98       |

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 Sample : VX0728WBS01  
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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0728WBS01

Quant Time: Jul 29 02:12:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/29/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 48390    | 18.170  | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 108096   | 19.183  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 149806   | 18.866  | ug/l   | 100      |
| 44) Trichloroethene           | 7.129  | 130  | 75750    | 18.466  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 74825    | 18.676  | ug/l   | 98       |
| 46) Dibromomethane            | 7.586  | 93   | 53643    | 19.093  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 115118   | 19.250  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.696  | 41   | 77796    | 17.985  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.708  | 88   | 19105    | 388.326 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 438798   | 92.973  | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 188706   | 19.185  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 107997   | 19.124  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 116846   | 18.905  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 70113    | 19.007  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 102202   | 18.715  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 119701   | 18.672  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 254306   | 83.687  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 297933   | 95.547  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 83631    | 19.331  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 71328    | 18.493  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 61923    | 18.286  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 204374   | 18.571  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 71869    | 19.397  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 366130   | 19.028  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 271050   | 37.643  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 131643   | 19.218  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 225118   | 19.165  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 54892    | 19.503  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 349329   | 18.914  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 132693   | 17.807  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 96797    | 18.348  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 79231m   | 18.285  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 81993    | 18.509  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.299 | 91   | 415786   | 18.839  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 246837   | 18.710  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 289953   | 19.003  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 22833    | 13.576  | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 289976   | 18.831  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 293667   | 19.176  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 288523   | 18.958  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 361807   | 18.908  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 304940   | 19.217  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.963 | 146  | 157441   | 18.705  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 158610   | 18.600  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 287044   | 19.289  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 55242    | 19.460  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 148759   | 18.492  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 19573    | 19.328  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 100369   | 18.884  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 36903    | 20.416  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 298955   | 19.187  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 94287    | 18.414  | ug/l   | 98       |

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ALS Vial : 5 Sample Multiplier: 1

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MSVOA\_X  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/29/2025  
Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:12:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 22 03:59:51 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

