

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX073125\  
 Data File : VX047194.D  
 Acq On : 31 Jul 2025 11:35  
 Operator : JC/MD  
 Sample : VX0731WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0731WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/01/2025  
 Supervised By : Mahesh Dadoda 08/01/2025

Quant Time: Aug 01 01:47:54 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        | 5.562          | 168  | 256427               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 440066               | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 400478               | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 200036               | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 188757               | 59.092 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 118.180%# |        |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 160423               | 59.042 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 118.080%  |        |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 480632               | 54.622 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 109.240%  |        |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 226841               | 59.821 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 119.640%  |        |        |          |
| Target Compounds             |                |      |                      |        |        |          |
|                              |                |      |                      |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.185          | 85   | 57116                | 16.769 | ug/l   | 100      |
| 3) Chloromethane             | 1.313          | 50   | 50184                | 14.895 | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.392          | 62   | 60632                | 16.741 | ug/l   | 97       |
| 5) Bromomethane              | 1.630          | 94   | 32440                | 16.489 | ug/l   | 96       |
| 6) Chloroethane              | 1.709          | 64   | 36532                | 15.358 | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.904          | 101  | 91210                | 16.889 | ug/l   | 99       |
| 8) Diethyl Ether             | 2.148          | 74   | 33189                | 17.430 | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.349          | 101  | 57075                | 17.542 | ug/l   | 96       |
| 10) Methyl Iodide            | 2.471          | 142  | 75847                | 22.873 | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.953          | 59   | 36374                | 90.863 | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 2.337          | 96   | 53150                | 16.493 | ug/l   | 92       |
| 13) Acrolein                 | 2.252          | 56   | 58005                | 84.336 | ug/l   | 99       |
| 14) Allyl chloride           | 2.678          | 41   | 89795                | 15.415 | ug/l   | 92       |
| 15) Acrylonitrile            | 3.081          | 53   | 148041               | 97.176 | ug/l   | 100      |
| 16) Acetone                  | 2.386          | 43   | 122873               | 96.022 | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.532          | 76   | 137287               | 14.726 | ug/l   | 100      |
| 18) Methyl Acetate           | 2.715          | 43   | 77690                | 22.846 | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 186448               | 19.011 | ug/l   | 99       |
| 20) Methylene Chloride       | 2.800          | 84   | 61377                | 17.435 | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.105          | 96   | 55116                | 16.714 | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.770          | 45   | 208940               | 18.656 | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.733          | 43   | 853767               | 95.045 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.623          | 63   | 109501               | 17.583 | ug/l   | 100      |
| 25) 2-Butanone               | 4.562          | 43   | 182123               | 97.745 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 83388                | 17.297 | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.501          | 96   | 70798                | 18.130 | ug/l   | 95       |
| 28) Bromochloromethane       | 4.910          | 49   | 62920                | 21.960 | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 116648               | 97.029 | ug/l   | 98       |
| 30) Chloroform               | 5.105          | 83   | 113901               | 17.967 | ug/l   | 97       |
| 31) Cyclohexane              | 5.477          | 56   | 98981                | 16.576 | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 96307                | 17.490 | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 77137                | 16.655 | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.727          | 43   | 82956                | 19.438 | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.690          | 117  | 84281                | 17.049 | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.385          | 83   | 94356                | 16.317 | ug/l   | 96       |
| 40) Benzene                  | 6.044          | 78   | 233833               | 17.445 | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX073125\  
 Data File : VX047194.D  
 Acq On : 31 Jul 2025 11:35  
 Operator : JC/MD  
 Sample : VX0731WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0731WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/01/2025  
 Supervised By : Mahesh Dadoda 08/01/2025

Quant Time: Aug 01 01:47:54 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) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 39866    | 17.865  | ug/l # | 91       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 89105    | 18.872  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 130385   | 19.597  | ug/l   | 98       |
| 44) Trichloroethene           | 7.129  | 130  | 58265    | 16.951  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 59909    | 17.846  | ug/l   | 95       |
| 46) Dibromomethane            | 7.586  | 93   | 44756    | 19.011  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 91853    | 18.331  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 68318    | 18.849  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.720  | 88   | 17146    | 415.922 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 399994   | 101.145 | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 146022   | 17.717  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 85096    | 17.984  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 92679    | 17.896  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 58705    | 18.993  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 90569    | 19.793  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 100960   | 18.795  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 264347   | 103.818 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 277665   | 106.273 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 68858    | 18.995  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 59458    | 18.397  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 48117    | 16.667  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 164097   | 17.491  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 55933    | 17.708  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 282215   | 17.204  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 213462   | 34.774  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 103731   | 17.763  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 181733   | 18.148  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 43861    | 18.280  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 276593   | 17.526  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 114867   | 18.039  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 87201    | 19.344  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 70463m   | 19.031  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 68040    | 17.975  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.299 | 91   | 329100   | 17.451  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 199554   | 17.702  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 232206   | 17.810  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 19299    | 13.429  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 235069   | 17.865  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 234987   | 17.957  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 232382   | 17.869  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 292608   | 17.896  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 245768   | 18.126  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 128029   | 17.801  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 128150   | 17.587  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 229410   | 18.042  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 41623    | 17.159  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 121771   | 17.715  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 17973    | 20.771  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 83945    | 18.483  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 31368    | 20.308  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 261410   | 19.634  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 81635    | 18.658  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX073125\  
Data File : VX047194.D  
Acq On : 31 Jul 2025 11:35  
Operator : JC/MD  
Sample : VX0731WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0731WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/01/2025  
Supervised By :Mahesh Dadoda 08/01/2025

Quant Time: Aug 01 01:47:54 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

## Manual Integrations APPROVED

Quant Time: Aug 01 01:47:54 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

