

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081525\  
 Data File : VX047352.D  
 Acq On : 15 Aug 2025 10:43  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Aug 18 02:54:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 02:51:35 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2025  
 Supervised By : Mahesh Dadoda 08/19/2025

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 230991               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 391443               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 345492               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 163776               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 345087               | 106.746 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 213.500%# |         |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 276832               | 108.967 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 217.940%# |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 975414               | 107.419 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 214.840%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 353668               | 105.546 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 211.100%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.185          | 85   | 309782               | 105.204 | ug/l   | 99       |
| 3) Chloromethane             | 1.313          | 50   | 261885               | 98.864  | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.392          | 62   | 336909               | 101.331 | ug/l   | 97       |
| 5) Bromomethane              | 1.624          | 94   | 142644               | 106.217 | ug/l   | 96       |
| 6) Chloroethane              | 1.703          | 64   | 189413               | 93.112  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.904          | 101  | 489572               | 99.548  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.148          | 74   | 171145               | 98.832  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.349          | 101  | 288420               | 101.101 | ug/l   | 99       |
| 10) Methyl Iodide            | 2.471          | 142  | 545687               | 111.619 | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.971          | 59   | 143673               | 510.865 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.337          | 96   | 293450               | 100.899 | ug/l   | 99       |
| 13) Acrolein                 | 2.252          | 56   | 294322               | 495.763 | ug/l   | 100      |
| 14) Allyl chloride           | 2.678          | 41   | 512225               | 101.402 | ug/l   | 99       |
| 15) Acrylonitrile            | 3.081          | 53   | 691797               | 509.058 | ug/l   | 100      |
| 16) Acetone                  | 2.392          | 43   | 554774               | 456.549 | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.532          | 76   | 840388               | 95.757  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.715          | 43   | 318444               | 101.128 | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.129          | 73   | 906301               | 102.433 | ug/l   | 98       |
| 20) Methylene Chloride       | 2.806          | 84   | 309183               | 96.088  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.105          | 96   | 302669               | 98.051  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.776          | 45   | 1007141              | 100.865 | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.733          | 43   | 4206762              | 514.008 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.623          | 63   | 558936               | 99.034  | ug/l   | 99       |
| 25) 2-Butanone               | 4.568          | 43   | 789816               | 496.288 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.489          | 77   | 434139               | 101.916 | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.507          | 96   | 355238               | 98.806  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.910          | 49   | 258648               | 110.131 | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 505709               | 491.640 | ug/l   | 98       |
| 30) Chloroform               | 5.105          | 83   | 560984               | 97.394  | ug/l   | 100      |
| 31) Cyclohexane              | 5.489          | 56   | 499975               | 96.100  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.397          | 97   | 499294               | 100.709 | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 398144               | 99.278  | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.727          | 43   | 413279               | 99.265  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.690          | 117  | 430061               | 98.132  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.385          | 83   | 500907               | 100.134 | ug/l   | 97       |
| 40) Benzene                  | 6.050          | 78   | 1186760              | 98.866  | ug/l   | 99       |

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 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/18/2025  
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 02:51:35 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 41) Methacrylonitrile         | 4.940  | 41   | 191678   | 109.177  | ug/l  | 95       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 416430   | 97.940   | ug/l  | 99       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 624423   | 104.400  | ug/l  | 100      |
| 44) Trichloroethene           | 7.135  | 130  | 304976   | 99.224   | ug/l  | 98       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 298616   | 99.300   | ug/l  | 97       |
| 46) Dibromomethane            | 7.586  | 93   | 214069   | 98.052   | ug/l  | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 452578   | 99.995   | ug/l  | 100      |
| 48) Methyl methacrylate       | 7.696  | 41   | 322487   | 103.875  | ug/l  | 99       |
| 49) 1,4-Dioxane               | 7.684  | 88   | 61142    | 2073.830 | ug/l  | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1766006  | 513.097  | ug/l  | 99       |
| 52) Toluene                   | 8.720  | 92   | 733119   | 98.837   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 423279   | 107.156  | ug/l  | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 463640   | 103.698  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 275607   | 97.863   | ug/l  | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 440765   | 106.154  | ug/l  | 100      |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 469804   | 97.899   | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 1000312  | 496.016  | ug/l  | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 1215128  | 510.384  | ug/l  | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 333420   | 99.621   | ug/l  | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 285821   | 98.420   | ug/l  | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 248666   | 99.506   | ug/l  | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 803672   | 97.887   | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 278595   | 100.380  | ug/l  | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 1424862  | 100.832  | ug/l  | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 1056553  | 200.518  | ug/l  | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 508020   | 100.188  | ug/l  | 99       |
| 70) Styrene                   | 10.652 | 104  | 878271   | 102.509  | ug/l  | 100      |
| 71) Bromoform                 | 10.799 | 173  | 211374   | 101.376  | ug/l  | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 1326045  | 103.466  | ug/l  | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 543008   | 111.573  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 374215   | 99.448   | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 301098m  | 100.238  | ug/l  |          |
| 77) Bromobenzene              | 11.195 | 156  | 320460   | 102.397  | ug/l  | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 1577819  | 103.081  | ug/l  | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 926261   | 100.105  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 1084580  | 102.852  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 70384    | 93.696   | ug/l  | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 1080450  | 99.058   | ug/l  | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 1092054  | 103.803  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 1086843  | 103.064  | ug/l  | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 1343222  | 103.010  | ug/l  | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 1118938  | 101.405  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 593233   | 99.223   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 585597   | 95.231   | ug/l  | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 1050897  | 102.394  | ug/l  | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 202423   | 104.570  | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 558580   | 98.430   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 77939    | 107.101  | ug/l  | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 389962   | 102.504  | ug/l  | 98       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 123286   | 91.042   | ug/l  | 98       |
| 95) Naphthalene               | 13.774 | 128  | 1191910  | 109.632  | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 370778   | 103.395  | ug/l  | 99       |

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Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/18/2025  
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 02:51:35 2025  
Response via : Initial Calibration

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

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

Reviewed By :John Carlone 08/18/2025  
Supervised By :Mahesh Dadoda 08/19/2025

TIC: VX047352.D\data.ms

Abundance

Time-->

Peak Data (Retention Time, Compound Name):

| Retention Time (min) | Compound Name                   |
|----------------------|---------------------------------|
| 0.50                 | Dichlorodifluoromethane, T      |
| 0.60                 | Chloroethylene, C               |
| 0.70                 | Bromomethane, T                 |
| 1.00                 | Trichlorofluoromethane, T       |
| 1.50                 | Diethyl Ether, T                |
| 1.60                 | Acrolein, T                     |
| 1.70                 | 1,1,2,2-Tetrachloroethane, T    |
| 1.80                 | Methyl isopropyl sulfide, T     |
| 1.90                 | Methyl acetate, T               |
| 2.00                 | Methylene chloride, T           |
| 2.10                 | Tert butyl alcohol, T           |
| 2.20                 | Acetonitrile, T                 |
| 2.30                 | Methylcyclohexane, T            |
| 3.50                 | 1,1-Dichloroethane, P           |
| 3.60                 | Diisopropyl ether, T            |
| 3.70                 | Vinyl acetate, T                |
| 4.50                 | 2-Butanone, T                   |
| 4.60                 | 2,2-Dichloropropane, T          |
| 4.70                 | Ethyl acetate, T                |
| 4.80                 | Methylcyclopentane, T           |
| 4.90                 | Chloroform, T                   |
| 5.00                 | Carbon tetrachloride, T         |
| 5.10                 | Pentachlorobenzene, T           |
| 5.20                 | 1,2-Dichloroethane, S           |
| 5.30                 | 1,2-Dichloropropane, T          |
| 5.40                 | 1,2-Dichloroethane, TM          |
| 5.50                 | Isopropyl acetate, T            |
| 6.50                 | 1,4-Difluorobenzene, I          |
| 7.00                 | Trichloroethene, TM             |
| 7.50                 | 1,2-Dichloroethane, T           |
| 7.60                 | Methylcyclohexane, T            |
| 7.70                 | 1,4-Dibromomethylcyclohexane, T |
| 8.50                 | cis-1,3-Dichloropropene, T      |
| 8.60                 | 2-Chloroethyl Vinyl ether, T    |
| 8.70                 | 4-Methyl-2-Pentanone, T         |
| 8.80                 | Toluene, CM                     |
| 8.90                 | t-1,3-Dichloropropene, T        |
| 9.00                 | 1,2-Dichloropropane, T          |
| 9.10                 | 1,3-Dichloropropane, T          |
| 9.20                 | 1,3-Dichloropropane, T          |
| 9.30                 | 1,3-Dichloropropane, T          |
| 9.40                 | 1,3-Dichloropropane, T          |
| 9.50                 | 1,3-Dichloropropane, T          |
| 9.60                 | 1,3-Dichloropropane, T          |
| 9.70                 | 1,3-Dichloropropane, T          |
| 9.80                 | 1,3-Dichloropropane, T          |
| 9.90                 | 1,3-Dichloropropane, T          |
| 10.00                | Chlorobenzene, PM               |
| 10.10                | Chlorobenzene, PM               |
| 10.20                | Chlorobenzene, PM               |
| 10.30                | Chlorobenzene, PM               |
| 10.40                | Chlorobenzene, PM               |
| 10.50                | Chlorobenzene, PM               |
| 10.60                | Chlorobenzene, PM               |
| 10.70                | Chlorobenzene, PM               |
| 10.80                | Chlorobenzene, PM               |
| 10.90                | Chlorobenzene, PM               |
| 11.00                | Chlorobenzene, PM               |
| 11.10                | Chlorobenzene, PM               |
| 11.20                | Chlorobenzene, PM               |
| 11.30                | Chlorobenzene, PM               |
| 11.40                | Chlorobenzene, PM               |
| 11.50                | Chlorobenzene, PM               |
| 11.60                | Chlorobenzene, PM               |
| 11.70                | Chlorobenzene, PM               |
| 11.80                | Chlorobenzene, PM               |
| 11.90                | Chlorobenzene, PM               |
| 12.00                | Chlorobenzene, PM               |
| 12.10                | Chlorobenzene, PM               |
| 12.20                | Chlorobenzene, PM               |
| 12.30                | Chlorobenzene, PM               |
| 12.40                | Chlorobenzene, PM               |
| 12.50                | Chlorobenzene, PM               |
| 12.60                | Chlorobenzene, PM               |
| 12.70                | Chlorobenzene, PM               |
| 12.80                | Chlorobenzene, PM               |
| 12.90                | Chlorobenzene, PM               |
| 13.00                | Chlorobenzene, PM               |
| 13.10                | Chlorobenzene, PM               |
| 13.20                | Chlorobenzene, PM               |
| 13.30                | Chlorobenzene, PM               |
| 13.40                | Chlorobenzene, PM               |
| 13.50                | Chlorobenzene, PM               |
| 13.60                | Chlorobenzene, PM               |
| 13.70                | Chlorobenzene, PM               |
| 13.80                | Chlorobenzene, PM               |
| 13.90                | Chlorobenzene, PM               |
| 14.00                | Chlorobenzene, PM               |