

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061125\  
 Data File : VX046640.D  
 Acq On : 11 Jun 2025 16:25  
 Operator : JC/MD  
 Sample : VX0611WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0611WBSD02

Quant Time: Jun 12 02:31:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 06 16:56:12 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/12/2025  
 Supervised By : Mahesh Dadoda 06/12/2025

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 75823      | 50.000  | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 130739     | 50.000  | ug/l   | -0.01    |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 119823     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 62816      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 59955      | 44.445  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 88.900% |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 45537      | 47.363  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 94.720% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 147531     | 46.543  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 93.080% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 63899      | 48.723  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 97.440% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.185          | 85   | 16873      | 16.029  | ug/l   | 99       |
| 3) Chloromethane             | 1.307          | 50   | 14814      | 15.461  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.386          | 62   | 15136      | 15.847  | ug/l   | 98       |
| 5) Bromomethane              | 1.624          | 94   | 8228       | 14.190  | ug/l   | 100      |
| 6) Chloroethane              | 1.703          | 64   | 12370m     | 19.961  | ug/l   |          |
| 7) Trichlorofluoromethane    | 1.904          | 101  | 27811      | 17.598  | ug/l   | 96       |
| 8) Diethyl Ether             | 2.148          | 74   | 10229      | 18.320  | ug/l   | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 2.343          | 101  | 18281      | 18.361  | ug/l   | 95       |
| 10) Methyl Iodide            | 2.465          | 142  | 17397      | 16.119  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 13739      | 91.786  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.337          | 96   | 16458      | 18.283  | ug/l   | 91       |
| 13) Acrolein                 | 2.245          | 56   | 15730      | 106.466 | ug/l   | 99       |
| 14) Allyl chloride           | 2.678          | 41   | 32893      | 18.605  | ug/l   | 92       |
| 15) Acrylonitrile            | 3.075          | 53   | 58815      | 103.922 | ug/l   | 98       |
| 16) Acetone                  | 2.392          | 43   | 49904      | 97.070  | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.526          | 76   | 31958      | 16.854  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.715          | 43   | 34714      | 21.604  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 65221      | 20.706  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.800          | 84   | 20501      | 18.943  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.105          | 96   | 17046      | 17.893  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.770          | 45   | 70704      | 20.285  | ug/l # | 69       |
| 23) Vinyl Acetate            | 3.733          | 43   | 269237     | 100.048 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.623          | 63   | 37219      | 19.159  | ug/l   | 98       |
| 25) 2-Butanone               | 4.568          | 43   | 75130      | 100.047 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.489          | 77   | 26460      | 18.348  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.501          | 96   | 22490      | 19.177  | ug/l   | 94       |
| 28) Bromochloromethane       | 4.910          | 49   | 19065      | 20.576  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 46998      | 99.100  | ug/l   | 99       |
| 30) Chloroform               | 5.105          | 83   | 40886      | 20.087  | ug/l   | 98       |
| 31) Cyclohexane              | 5.483          | 56   | 29800      | 19.002  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 33124      | 19.024  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.708          | 75   | 23625      | 17.202  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.727          | 43   | 28624      | 21.355  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 28654      | 18.628  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.385          | 83   | 28712      | 17.712  | ug/l   | 95       |
| 40) Benzene                  | 6.044          | 78   | 75303      | 19.477  | ug/l   | 99       |

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 Sample : VX0611WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0611WBSD02

Manual Integrations  
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Reviewed By : John Carlone 06/12/2025  
 Supervised By : Mahesh Dadoda 06/12/2025

Quant Time: Jun 12 02:31:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 06 16:56:12 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 16302    | 19.585  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 31765    | 19.749  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 47778    | 20.446  | ug/l   | 100      |
| 44) Trichloroethene           | 7.135  | 130  | 18458    | 18.790  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 20105    | 20.146  | ug/l   | 97       |
| 46) Dibromomethane            | 7.586  | 93   | 15221    | 20.275  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.824  | 83   | 31945    | 20.694  | ug/l # | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 24465    | 20.349  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 6511     | 404.966 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 159397   | 107.344 | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 48054    | 20.231  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 27824    | 20.103  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 30720    | 19.963  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 20744    | 21.755  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 30259    | 20.621  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 35747    | 21.214  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 87410    | 109.363 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 115051   | 108.033 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 23909    | 21.317  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 20915    | 21.049  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.275  | 164  | 14417    | 17.993  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 54850    | 19.463  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 19685    | 20.671  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 94773    | 19.264  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 69436    | 38.908  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 34773    | 20.145  | ug/l   | 96       |
| 70) Styrene                   | 10.652 | 104  | 60329    | 20.417  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 15433    | 21.255  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.963 | 105  | 93656    | 18.967  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 41695    | 19.174  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 32424    | 20.514  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 26792m   | 20.136  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 22356    | 19.505  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 111616   | 18.675  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 68566    | 19.024  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 77599    | 18.858  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 8404     | 18.220  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 81676    | 19.119  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 80867    | 19.305  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 79569    | 19.115  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 103489   | 19.228  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 85447    | 19.043  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 43541    | 19.563  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 43971    | 19.066  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 82075    | 18.626  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 14235    | 17.849  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 42476    | 19.771  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 6814     | 19.252  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 27331    | 18.649  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 11785    | 17.304  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 93298    | 20.075  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 27401    | 18.646  | ug/l   | 98       |

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0611WBSD02

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/12/2025  
Supervised By :Mahesh Dadoda 06/12/2025

Quant Time: Jun 12 02:31:28 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060625W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 06 16:56:12 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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