

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031025\  
 Data File : VX045183.D  
 Acq On : 10 Mar 2025 10:06  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/11/2025  
 Supervised By : Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 03:49:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 120068     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 201201     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 175591     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 77718      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 87615      | 45.875   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 91.760%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 69391      | 51.577   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 103.160% |        |          |
| 50) Toluene-d8               | 8.641          | 98   | 247275     | 50.697   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 101.400% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 85749      | 53.054   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 106.100% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 76818      | 50.827   | ug/l   | 94       |
| 3) Chloromethane             | 1.307          | 50   | 83938      | 45.382   | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374          | 62   | 83429      | 45.470   | ug/l   | 99       |
| 5) Bromomethane              | 1.593          | 94   | 34226      | 47.451   | ug/l   | 98       |
| 6) Chloroethane              | 1.666          | 64   | 42535      | 50.258   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.874          | 101  | 119753     | 49.302   | ug/l   | 96       |
| 8) Diethyl Ether             | 2.130          | 74   | 41193      | 43.358   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 73749      | 52.848   | ug/l   | 98       |
| 10) Methyl Iodide            | 2.441          | 142  | 86895      | 49.827   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 65463      | 180.958  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.307          | 96   | 70442      | 47.745   | ug/l   | 97       |
| 13) Acrolein                 | 2.233          | 56   | 87771      | 209.887  | ug/l   | 99       |
| 14) Allyl chloride           | 2.654          | 41   | 131254     | 49.978   | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062          | 53   | 225967     | 233.063  | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 202013     | 227.976  | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.502          | 76   | 184260     | 46.890   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 107373     | 50.370   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 237614     | 48.004   | ug/l   | 98       |
| 20) Methylene Chloride       | 2.782          | 84   | 80927      | 46.105   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 70577      | 48.421   | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.757          | 45   | 258893     | 48.472   | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1105475    | 248.018  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 141147     | 47.153   | ug/l   | 100      |
| 25) 2-Butanone               | 4.556          | 43   | 307413     | 230.475  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 107346     | 76.455   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 85594      | 47.570   | ug/l   | 95       |
| 28) Bromochloromethane       | 4.891          | 49   | 67994      | 47.656   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.001          | 42   | 195295     | 218.029  | ug/l   | 100      |
| 30) Chloroform               | 5.080          | 83   | 137670     | 46.287   | ug/l   | 100      |
| 31) Cyclohexane              | 5.458          | 56   | 125667     | 48.363   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 117363     | 48.857   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 93569      | 50.714   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.709          | 43   | 115384     | 48.532   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 98310      | 52.483   | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.373          | 83   | 125387     | 56.716   | ug/l   | 99       |
| 40) Benzene                  | 6.025          | 78   | 292214     | 50.155   | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/11/2025  
 Supervised By : Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 03:49:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 66579    | 51.791  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 105041   | 50.066  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 184950   | 52.608  | ug/l   | 100      |
| 44) Trichloroethene           | 7.117  | 130  | 67819    | 49.573  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 75705    | 50.538  | ug/l   | 97       |
| 46) Dibromomethane            | 7.574  | 93   | 54188    | 51.179  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 108406   | 52.199  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.690  | 41   | 89906    | 50.975  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 31109    | 836.168 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 589180   | 249.597 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 176101   | 51.516  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 102467   | 59.017  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 115256   | 56.928  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 69076    | 49.085  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 115354   | 53.926  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 119199   | 48.945  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 289282   | 277.227 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 423044   | 247.351 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 79393    | 53.957  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 71462    | 50.868  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 58211    | 51.762  | ug/l   | 92       |
| 65) Chlorobenzene             | 10.073 | 112  | 191302   | 51.488  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 63118    | 51.011  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 339985   | 52.516  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 249065   | 105.093 | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 121971   | 51.028  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 205472   | 53.127  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 51727    | 55.438  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 320616   | 52.853  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 151990   | 53.397  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 106372   | 47.785  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 88324m   | 48.828  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 73209    | 51.150  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.299 | 91   | 375437   | 54.788  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 220488   | 50.523  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 260502   | 53.110  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 32105    | 60.738  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 250938   | 52.759  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 264070   | 52.398  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 259958   | 52.673  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 333580   | 55.257  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 272285   | 55.812  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 132399   | 51.855  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 130377   | 50.472  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 249102   | 59.284  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 48824    | 55.329  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.329 | 146  | 128496   | 50.169  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 21710    | 50.061  | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 80625    | 55.282  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 34023    | 56.902  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 286647   | 51.156  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 82943    | 53.910  | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/11/2025  
Supervised By :Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 03:49:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration

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

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

