

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030625\  
 Data File : VX045155.D  
 Acq On : 06 Mar 2025 09:56  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 07 00:36:04 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

### Manual Integrations APPROVED

Reviewed By : John Carlone 03/10/2025  
 Supervised By : Mahesh Dadoda 03/10/2025

| Compound                     | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|------------------------------|----------------|------|------------|----------|-------|----------|
| -----                        |                |      |            |          |       |          |
| Internal Standards           |                |      |            |          |       |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 99532      | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 175834     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 153746     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 69403      | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |            |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 77946      | 49.233   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 98.460%  |       |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 59938      | 50.978   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 101.960% |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 218659     | 51.298   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 102.600% |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 73689      | 52.170   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 104.340% |       |          |
| Target Compounds             |                |      |            |          |       |          |
|                              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 62832      | 50.150   | ug/l  | 97       |
| 3) Chloromethane             | 1.307          | 50   | 71998      | 46.958   | ug/l  | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 72148      | 47.434   | ug/l  | 95       |
| 5) Bromomethane              | 1.593          | 94   | 27896      | 46.654   | ug/l  | 97       |
| 6) Chloroethane              | 1.660          | 64   | 29705      | 42.341   | ug/l  | 95       |
| 7) Trichlorofluoromethane    | 1.861          | 101  | 96812      | 48.081   | ug/l  | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 36087      | 45.821   | ug/l  | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.313          | 101  | 61310      | 52.999   | ug/l  | 99       |
| 10) Methyl Iodide            | 2.441          | 142  | 74610      | 51.610   | ug/l  | 98       |
| 11) Tert butyl alcohol       | 3.002          | 59   | 58538      | 195.202  | ug/l  | 98       |
| 12) 1,1-Dichloroethene       | 2.307          | 96   | 59671      | 48.789   | ug/l  | 96       |
| 13) Acrolein                 | 2.239          | 56   | 73987      | 213.430  | ug/l  | 100      |
| 14) Allyl chloride           | 2.654          | 41   | 109096     | 50.112   | ug/l  | 98       |
| 15) Acrylonitrile            | 3.069          | 53   | 198270     | 246.689  | ug/l  | 99       |
| 16) Acetone                  | 2.392          | 43   | 171774     | 233.847  | ug/l  | 100      |
| 17) Carbon Disulfide         | 2.495          | 76   | 145559     | 44.684   | ug/l  | 98       |
| 18) Methyl Acetate           | 2.709          | 43   | 95234      | 53.893   | ug/l  | 97       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 200537     | 48.872   | ug/l  | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 70093      | 48.172   | ug/l  | 96       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 60722      | 50.255   | ug/l  | 98       |
| 22) Diisopropyl ether        | 3.764          | 45   | 224890     | 50.793   | ug/l  | 96       |
| 23) Vinyl Acetate            | 3.721          | 43   | 950142     | 257.151  | ug/l  | 100      |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 120920     | 48.731   | ug/l  | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 280778     | 253.939  | ug/l  | 96       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 79357      | 68.182   | ug/l  | 95       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 74696      | 50.079   | ug/l  | 98       |
| 28) Bromochloromethane       | 4.891          | 49   | 54795      | 46.329   | ug/l  | 98       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 181493     | 244.426  | ug/l  | 99       |
| 30) Chloroform               | 5.087          | 83   | 120327     | 48.804   | ug/l  | 99       |
| 31) Cyclohexane              | 5.464          | 56   | 108111     | 50.191   | ug/l  | 95       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 97325      | 48.875   | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 80527      | 49.941   | ug/l  | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 104246     | 50.173   | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 80480      | 49.163   | ug/l  | 98       |
| 39) Methylcyclohexane        | 7.373          | 83   | 105138     | 54.417   | ug/l  | 98       |
| 40) Benzene                  | 6.031          | 78   | 257458     | 50.564   | ug/l  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030625\  
 Data File : VX045155.D  
 Acq On : 06 Mar 2025 09:56  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 07 00:36:04 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

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/10/2025  
 Supervised By : Mahesh Dadoda 03/10/2025

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 58347    | 51.935   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 93921    | 51.224   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 158752   | 51.671   | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 60024    | 50.205   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 66275    | 50.625   | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 47874    | 51.739   | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.818  | 83   | 91992    | 50.685   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 80137    | 51.991   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 32662    | 1004.564 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 541338   | 262.414  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 156953   | 52.538   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 82047    | 54.074   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 95642    | 54.055   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 62335    | 50.685   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 97896    | 52.367   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 107677   | 50.592   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 249971   | 274.113  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 396084   | 264.998  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 66396    | 51.634   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 62076    | 50.561   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 49532    | 50.303   | ug/l   | 92       |
| 65) Chlorobenzene             | 10.073 | 112  | 165756   | 50.951   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 54204    | 50.032   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 296897   | 52.376   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 216494   | 104.329  | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 106776   | 51.019   | ug/l   | 100      |
| 70) Styrene                   | 10.653 | 104  | 178838   | 52.810   | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 40824    | 49.970   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 276189   | 50.984   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 131698   | 51.811   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 98154    | 49.376   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 79287m   | 49.083   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 64179    | 50.213   | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 322984   | 52.781   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 193846   | 49.740   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 224986   | 51.365   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 24421    | 51.737   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 215920   | 50.836   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 226930   | 50.423   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 227267   | 51.566   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 284085   | 52.696   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 233986   | 53.707   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 113668   | 49.852   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 114115   | 49.469   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 209635   | 55.868   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 39179    | 49.718   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 117105   | 51.199   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 19847    | 51.248   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 70127    | 53.845   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 27989    | 52.418   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 266376   | 53.234   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 73124    | 53.222   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030625\  
Data File : VX045155.D  
Acq On : 06 Mar 2025 09:56  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/10/2025  
Supervised By :Mahesh Dadoda 03/10/2025

Quant Time: Mar 07 00:36:04 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

