

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041025\  
 Data File : VX045728.D  
 Acq On : 11 Apr 2025 09:45  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/11/2025  
 Supervised By : Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 11:16:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 79794               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 150617              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 132034              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 61761               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 80388               | 55.090  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 110.180% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 55315               | 51.763  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.520% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 188628              | 50.571  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 101.140% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 73804               | 54.322  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 108.640% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 61406               | 51.458  | ug/l   | 98       |
| 3) Chloromethane             | 1.301          | 50   | 61017               | 49.772  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 56661               | 50.503  | ug/l   | 97       |
| 5) Bromomethane              | 1.593          | 94   | 23283               | 43.768  | ug/l   | 97       |
| 6) Chloroethane              | 1.660          | 64   | 27012               | 45.380  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 86840               | 51.906  | ug/l   | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 29372               | 52.293  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.313          | 101  | 50657               | 51.673  | ug/l   | 96       |
| 10) Methyl Iodide            | 2.441          | 142  | 62684               | 51.263  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.989          | 59   | 56764               | 289.453 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 48942               | 51.092  | ug/l   | 98       |
| 13) Acrolein                 | 2.239          | 56   | 72705               | 269.223 | ug/l   | 98       |
| 14) Allyl chloride           | 2.654          | 41   | 89901               | 49.463  | ug/l   | 100      |
| 15) Acrylonitrile            | 3.062          | 53   | 163337              | 263.854 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 161309              | 269.208 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.502          | 76   | 98970               | 41.831  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 84366               | 61.154  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 187252              | 55.880  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 57817               | 51.541  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 48671               | 49.733  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.763          | 45   | 197450              | 55.149  | ug/l   | 98       |
| 23) Vinyl Acetate            | 3.721          | 43   | 847196              | 273.875 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 105815              | 52.259  | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 241345              | 275.161 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 38849               | 29.696  | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 62045               | 52.038  | ug/l   | 96       |
| 28) Bromochloromethane       | 4.897          | 49   | 51798               | 52.937  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 151381              | 266.209 | ug/l   | 100      |
| 30) Chloroform               | 5.086          | 83   | 111393              | 53.465  | ug/l   | 100      |
| 31) Cyclohexane              | 5.458          | 56   | 89059               | 49.753  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 95388               | 54.107  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 69552               | 48.204  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 91166               | 50.138  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 79620               | 51.059  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.373          | 83   | 84142               | 47.574  | ug/l   | 96       |
| 40) Benzene                  | 6.031          | 78   | 216443              | 49.117  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041025\  
 Data File : VX045728.D  
 Acq On : 11 Apr 2025 09:45  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/11/2025  
 Supervised By : Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 11:16:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 52721    | 54.953   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 93904    | 51.594   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 146115   | 53.019   | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 50284    | 48.009   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 55676    | 50.638   | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 41926    | 49.674   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.818  | 83   | 85277    | 50.593   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 77367    | 54.372   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 28394    | 1102.926 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 492727   | 269.703  | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 133436   | 50.042   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 69129    | 42.985   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 77213    | 48.747   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 53844    | 50.674   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 91819    | 55.837   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 95443    | 51.583   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 225685   | 271.299  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 368128   | 272.106  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 60132    | 51.910   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 55625    | 51.714   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 42069    | 45.129   | ug/l   | 99       |
| 65) Chlorobenzene             | 10.079 | 112  | 143812   | 50.973   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 50236    | 51.286   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 260091   | 51.472   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 189024   | 102.851  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 95648    | 52.831   | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 159921   | 53.519   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 37849    | 51.750   | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 250531   | 50.642   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 131775   | 55.685   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 88156    | 50.727   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 73457m   | 48.760   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 56284    | 49.240   | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 289688   | 50.838   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 184861   | 50.746   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 211752   | 51.762   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 17910    | 40.348   | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 209693   | 51.628   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 213042   | 52.602   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 213984   | 52.116   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 258819   | 52.030   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 212754   | 51.877   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 103279   | 49.637   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 105015   | 49.784   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 179944   | 50.598   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 37332    | 52.967   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 107558   | 51.994   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 20549    | 56.539   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 60020    | 52.124   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 23802    | 47.970   | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 238555   | 55.671   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 64721    | 53.677   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041025\  
Data File : VX045728.D  
Acq On : 11 Apr 2025 09:45  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/11/2025  
Supervised By :Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 11:16:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041025\  
Data File : VX045728.D  
Acq On : 11 Apr 2025 09:45  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Apr 11 11:16:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/11/2025  
Supervised By :Mahesh Dadoda 04/11/2025

