

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111221\  
 Data File : VU045775.D  
 Acq On : 12 Nov 2021 17:30  
 Operator : SY/MD  
 Sample : M4606-03MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MH-117T-20211109MS

Quant Time: Nov 15 05:21:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 11/15/2021  
 Supervised By : Mahesh Dadoda 11/16/2021

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 5.375          | 168  | 95522                | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.253          | 114  | 171917               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.420          | 117  | 167829               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812         | 152  | 89065                | 50.000  | ug/l   | 0.00     |
|                              |                |      |                      |         |        |          |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.703          | 65   | 84042                | 58.748  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 117.500%# |         |        |          |
| 35) Dibromofluoromethane     | 5.292          | 113  | 65969                | 57.474  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 114.940%  |         |        |          |
| 50) Toluene-d8               | 7.899          | 98   | 242126               | 56.730  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 113.460%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 10.635         | 95   | 94277                | 55.085  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 110.180%  |         |        |          |
|                              |                |      |                      |         |        |          |
| Target Compounds             |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.385          | 85   | 56467                | 45.593  | ug/l   | 99       |
| 3) Chloromethane             | 1.520          | 50   | 64061                | 45.207  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.604          | 62   | 68867                | 49.890  | ug/l   | 98       |
| 5) Bromomethane              | 1.842          | 94   | 42749                | 55.523  | ug/l   | 100      |
| 6) Chloroethane              | 1.925          | 64   | 42820                | 47.533  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 2.134          | 101  | 91751                | 50.264  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.375          | 74   | 37273                | 51.585  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.578          | 101  | 53665                | 50.349  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.723          | 142  | 50592                | 36.271  | ug/l   | 92       |
| 11) Tert butyl alcohol       | 3.179          | 59   | 84854                | 299.676 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.578          | 96   | 51712                | 49.207  | ug/l   | 97       |
| 13) Acrolein                 | 2.485          | 56   | 11485                | 279.901 | ug/l   | 100      |
| 14) Allyl chloride           | 2.922          | 41   | 94505                | 50.363  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.311          | 53   | 213716               | 282.698 | ug/l   | 98       |
| 16) Acetone                  | 2.626          | 43   | 168070               | 230.795 | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.793          | 76   | 125602               | 42.670  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.948          | 43   | 130736               | 52.709  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.366          | 73   | 201200               | 53.187  | ug/l   | 99       |
| 20) Methylene Chloride       | 3.047          | 84   | 64635                | 51.081  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.353          | 96   | 56161                | 51.368  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.996          | 45   | 200525               | 54.424  | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.957          | 43   | 746411               | 263.397 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.870          | 63   | 117782               | 53.644  | ug/l   | 98       |
| 25) 2-Butanone               | 4.700          | 43   | 276672               | 273.929 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.668          | 77   | 89602                | 49.248  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.668          | 96   | 69390                | 54.037  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.976          | 49   | 57465                | 54.899  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 5.050          | 42   | 174000               | 281.641 | ug/l   | 100      |
| 30) Chloroform               | 5.092          | 83   | 118150               | 54.411  | ug/l   | 100      |
| 31) Cyclohexane              | 5.391          | 56   | 95942                | 45.964  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.317          | 97   | 98452                | 53.167  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.526          | 75   | 80504                | 48.024  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.803          | 43   | 100281               | 52.078  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.526          | 117  | 85020                | 50.307  | ug/l   | 97       |
| 39) Methylcyclohexane        | 6.764          | 83   | 92979                | 45.212  | ug/l   | 96       |
| 40) Benzene                  | 5.774          | 78   | 245649               | 49.496  | ug/l   | 99       |

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 ClientSampleId :  
 MH-117T-20211109MS

Quant Time: Nov 15 05:21:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 Supervised By :Mahesh Dadoda 11/16/2021

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.973  | 41   | 55341    | 54.383   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 5.796  | 62   | 93568    | 52.195   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.912  | 43   | 149282   | 50.685   | ug/l   | 99       |
| 44) Trichloroethene           | 6.546  | 130  | 70801    | 59.598   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 68846    | 52.426   | ug/l   | 97       |
| 46) Dibromomethane            | 6.919  | 93   | 47755    | 52.484   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.108  | 83   | 92654    | 53.666   | ug/l   | 96       |
| 48) Methyl methacrylate       | 6.960  | 41   | 70084    | 51.698   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 6.964  | 88   | 40429    | 1159.679 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone      | 7.793  | 43   | 530341   | 272.965  | ug/l   | 99       |
| 52) Toluene                   | 7.970  | 92   | 156721   | 51.579   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 98216    | 49.499   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 104877   | 49.763   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 67701    | 53.761   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 102621   | 45.654   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 8.578  | 76   | 118996   | 52.465   | ug/l   | 100      |
| 59) 2-Hexanone                | 8.684  | 43   | 405394   | 240.105  | ug/l   | 100      |
| 60) Dibromochloromethane      | 8.812  | 129  | 71268    | 54.350   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 69653    | 51.572   | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.555  | 164  | 51282    | 53.238   | ug/l   | 98       |
| 65) Chlorobenzene             | 9.449  | 112  | 163433   | 49.576   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 60963    | 51.851   | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.571  | 91   | 296959   | 50.301   | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.697  | 106  | 231620   | 104.031  | ug/l   | 99       |
| 69) o-Xylene                  | 10.102 | 106  | 111806   | 51.653   | ug/l   | 99       |
| 70) Styrene                   | 10.115 | 104  | 192856   | 52.665   | ug/l   | 99       |
| 71) Bromoform                 | 10.295 | 173  | 52104    | 47.018   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.488 | 105  | 299252   | 51.423   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.320 | 43   | 121752   | 46.377   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 119765   | 51.944   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.825 | 75   | 111346m  | 41.225   | ug/l   |          |
| 77) Bromobenzene              | 10.783 | 156  | 71010    | 50.258   | ug/l   | 95       |
| 78) n-propylbenzene           | 10.909 | 91   | 359358   | 49.615   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 215186   | 50.287   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 255250   | 50.202   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.549 | 75   | 32326    | 39.853   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.098 | 91   | 250456   | 49.907   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.423 | 119  | 247003   | 50.962   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 257193   | 50.896   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.645 | 105  | 321969   | 50.088   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 263716   | 49.095   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 134865   | 47.308   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 138042   | 47.877   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.211 | 91   | 237814   | 45.960   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.478 | 117  | 45266    | 46.713   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 137894   | 49.717   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 25802    | 47.427   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 85992    | 44.840   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.024 | 225  | 35261    | 42.596   | ug/l   | 99       |
| 95) Naphthalene               | 14.089 | 128  | 329970   | 45.855   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 91364    | 47.965   | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
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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