

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052722\  
 Data File : VU048705.D  
 Acq On : 27 May 2022 19:46  
 Operator : SY/MD  
 Sample : N3056-10MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-02MS

Quant Time: May 28 00:24:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.372  | 168  | 240120   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.250  | 114  | 411786   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.417  | 117  | 391843   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.812 | 152  | 220657   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.703  | 65    | 183905   | 50.998   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 102.000% |      |
| 35) Dibromofluoromethane    | 5.288  | 113   | 144354   | 49.137   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 98.280%  |      |
| 50) Toluene-d8              | 7.899  | 98    | 534225   | 50.729   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 101.460% |      |
| 62) 4-Bromofluorobenzene    | 10.632 | 95    | 212606   | 53.383   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 106.760% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 1.385 | 85  | 131182  | 47.723  | ug/l   | 99  |
| 3) Chloromethane             | 1.520 | 50  | 167618  | 47.368  | ug/l   | 99  |
| 4) Vinyl Chloride            | 1.604 | 62  | 167749  | 51.183  | ug/l   | 99  |
| 5) Bromomethane              | 1.845 | 94  | 71882   | 38.400  | ug/l   | 99  |
| 6) Chloroethane              | 1.928 | 64  | 98599   | 55.040  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 2.134 | 101 | 220021  | 47.005  | ug/l   | 98  |
| 8) Diethyl Ether             | 2.375 | 74  | 85262   | 49.361  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 2.581 | 101 | 119756  | 46.739  | ug/l   | 99  |
| 10) Methyl Iodide            | 2.719 | 142 | 182114  | 47.979  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 3.173 | 59  | 253840  | 277.646 | ug/l # | 42  |
| 12) 1,1-Dichloroethene       | 2.578 | 96  | 121101  | 49.552  | ug/l   | 99  |
| 13) Acrolein                 | 2.481 | 56  | 48261   | 157.724 | ug/l # | 66  |
| 14) Allyl chloride           | 2.922 | 41  | 228712  | 48.317  | ug/l   | 95  |
| 15) Acrylonitrile            | 3.308 | 53  | 581708  | 293.368 | ug/l   | 95  |
| 16) Acetone                  | 2.620 | 43  | 559372  | 304.373 | ug/l   | 98  |
| 17) Carbon Disulfide         | 2.790 | 76  | 337700  | 47.334  | ug/l   | 100 |
| 18) Methyl Acetate           | 2.944 | 43  | 219383  | 47.545  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 3.362 | 73  | 608446  | 65.614  | ug/l # | 1   |
| 20) Methylene Chloride       | 3.044 | 84  | 156447  | 50.060  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 3.353 | 96  | 137200  | 49.078  | ug/l   | 96  |
| 22) Diisopropyl ether        | 3.993 | 45  | 471469  | 53.996  | ug/l   | 91  |
| 23) Vinyl Acetate            | 3.954 | 43  | 1661832 | 219.671 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 3.867 | 63  | 277618  | 50.625  | ug/l   | 99  |
| 25) 2-Butanone               | 4.697 | 43  | 788561  | 298.681 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 4.665 | 77  | 111064  | 22.575  | ug/l   | 94  |
| 27) cis-1,2-Dichloroethene   | 4.668 | 96  | 164164  | 50.733  | ug/l   | 93  |
| 28) Bromochloromethane       | 4.973 | 49  | 108986  | 50.668  | ug/l   | 99  |
| 29) Tetrahydrofuran          | 5.047 | 42  | 468455  | 281.692 | ug/l   | 98  |
| 30) Chloroform               | 5.089 | 83  | 289768  | 52.810  | ug/l   | 99  |
| 31) Cyclohexane              | 5.388 | 56  | 372570  | 81.981  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 5.317 | 97  | 236794  | 47.567  | ug/l   | 100 |
| 36) 1,1-Dichloropropene      | 5.526 | 75  | 196418  | 45.810  | ug/l   | 99  |
| 37) Ethyl Acetate            | 4.800 | 43  | 225689  | 41.637  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 5.523 | 117 | 213127  | 43.327  | ug/l   | 100 |
| 39) Methylcyclohexane        | 6.764 | 83  | 360456  | 80.178  | ug/l   | 99  |
| 40) Benzene                  | 5.774 | 78  | 2940221 | 232.276 | ug/l   | 99  |

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 Sample : N3056-10MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-02MS

Quant Time: May 28 00:24:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.970  | 41   | 142463   | 52.011   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.793  | 62   | 242197   | 48.878   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 5.909  | 43   | 491256   | 62.444   | ug/l # | 79       |
| 44) Trichloroethene           | 6.542  | 130  | 147372   | 45.190   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 6.790  | 63   | 170316   | 53.445   | ug/l   | 99       |
| 46) Dibromomethane            | 6.919  | 93   | 116077   | 48.754   | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.105  | 83   | 223462   | 46.412   | ug/l   | 98       |
| 48) Methyl methacrylate       | 6.957  | 41   | 204825   | 57.996   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 6.960  | 88   | 79169    | 1002.775 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 1448984  | 283.651  | ug/l   | 100      |
| 52) Toluene                   | 7.970  | 92   | 418201   | 55.233   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 227899   | 43.879   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 7.607  | 75   | 228702   | 42.494   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 199650   | 59.747   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 262845   | 49.789   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 8.574  | 76   | 264935   | 47.107   | ug/l   | 98       |
| 59) 2-Hexanone                | 8.684  | 43   | 1120079  | 267.081  | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.809  | 129  | 169813   | 45.334   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 163896   | 44.536   | ug/l   | 92       |
| 64) Tetrachloroethene         | 8.552  | 164  | 119292   | 43.702   | ug/l   | 97       |
| 65) Chlorobenzene             | 9.446  | 112  | 400358   | 48.309   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 153687   | 48.856   | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.574  | 91   | 11598583 | 829.789  | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.697  | 106  | 3880220  | 709.773  | ug/l   | 100      |
| 69) o-Xylene                  | 10.102 | 106  | 551643   | 102.709  | ug/l   | 99       |
| 70) Styrene                   | 10.115 | 104  | 498120   | 56.385   | ug/l   | 92       |
| 71) Bromoform                 | 10.291 | 173  | 148792   | 51.157   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.484 | 105  | 1640877  | 115.186  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.320 | 43   | 295826   | 41.461   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 298292   | 51.311   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.825 | 75   | 324025   | 45.544   | ug/l   | 100      |
| 77) Bromobenzene              | 10.783 | 156  | 190564   | 49.810   | ug/l   | 98       |
| 78) n-propylbenzene           | 10.906 | 91   | 3010852  | 177.373  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 630494   | 59.728   | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 2681333  | 216.440  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.545 | 75   | 75113    | 38.334   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 829239   | 68.085   | ug/l   | 87       |
| 83) tert-Butylbenzene         | 11.423 | 119  | 653887   | 54.995   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 14345431 | 1050.148 | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.645 | 105  | 881182   | 59.240   | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 730639   | 57.199   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.745 | 146  | 362950   | 48.387   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 371469   | 47.934   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.208 | 91   | 863399   | 66.761   | ug/l # | 78       |
| 90) Hexachloroethane          | 12.471 | 117  | 239263   | 91.779   | ug/l # | 53       |
| 91) 1,2-Dichlorobenzene       | 12.211 | 146  | 353952   | 46.710   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.995 | 75   | 109484   | 65.409   | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 250456   | 50.368   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 90766    | 38.082   | ug/l   | 97       |
| 95) Naphthalene               | 14.089 | 128  | 8667069  | 476.262  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 250494   | 50.861   | ug/l   | 95       |

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Sample : N3056-10MS  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-02MS

Quant Time: May 28 00:24:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 27 06:42:31 2022  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

