

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011223\  
 Data File : VU052666.D  
 Acq On : 12 Jan 2023 15:13  
 Operator : JC/MD  
 Sample : MDL02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL02

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 01/20/2023  
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 13 02:04:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 13 02:01:27 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|------------------------------|----------------|------|------------|----------|-------|----------|
| -----                        |                |      |            |          |       |          |
| Internal Standards           |                |      |            |          |       |          |
| 1) Pentafluorobenzene        | 5.369          | 168  | 214570     | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.246          | 114  | 382366     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 9.414          | 117  | 349891     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.806         | 152  | 158896     | 50.000   | ug/l  | 0.00     |
|                              |                |      |            |          |       |          |
| System Monitoring Compounds  |                |      |            |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.697          | 65   | 178225     | 51.989   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 103.980% |       |          |
| 35) Dibromofluoromethane     | 5.285          | 113  | 129775     | 49.275   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.540%  |       |          |
| 50) Toluene-d8               | 7.893          | 98   | 482782     | 47.747   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 95.500%  |       |          |
| 62) 4-Bromofluorobenzene     | 10.629         | 95   | 163973     | 44.747   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 89.500%  |       |          |
|                              |                |      |            |          |       |          |
| Target Compounds             |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385          | 85   | 6654       | 2.461    | ug/l  | 93       |
| 3) Chloromethane             | 1.520          | 50   | 10144      | 2.576    | ug/l  | 95       |
| 4) Vinyl Chloride            | 1.604          | 62   | 7981       | 2.355    | ug/l  | 100      |
| 5) Bromomethane              | 1.858          | 94   | 5558       | 2.820    | ug/l  | 92       |
| 6) Chloroethane              | 1.935          | 64   | 5056       | 2.486    | ug/l  | 92       |
| 7) Trichlorofluoromethane    | 2.137          | 101  | 10270      | 2.413    | ug/l  | 95       |
| 8) Diethyl Ether             | 2.375          | 74   | 4489       | 2.567    | ug/l  | 71       |
| 9) 1,1,2-Trichlorotrifluo... | 2.581          | 101  | 5992       | 2.355    | ug/l  | 94       |
| 10) Methyl Iodide            | 2.723          | 142  | 7083       | 2.687    | ug/l  | # 90     |
| 11) Tert butyl alcohol       | 3.263          | 59   | 9009m      | 13.393   | ug/l  |          |
| 12) 1,1-Dichloroethene       | 2.578          | 96   | 6747       | 2.692    | ug/l  | 92       |
| 13) Acrolein                 | 2.488          | 56   | 10670      | 13.138   | ug/l  | 99       |
| 14) Allyl chloride           | 2.922          | 41   | 12782      | 2.589    | ug/l  | # 83     |
| 15) Acrylonitrile            | 3.324          | 53   | 23036      | 12.730   | ug/l  | 96       |
| 16) Acetone                  | 2.642          | 43   | 22822      | 12.982   | ug/l  | 93       |
| 17) Carbon Disulfide         | 2.793          | 76   | 19462      | 2.450    | ug/l  | 99       |
| 18) Methyl Acetate           | 2.951          | 43   | 12207      | 2.382    | ug/l  | 91       |
| 19) Methyl tert-butyl Ether  | 3.359          | 73   | 21469      | 2.477    | ug/l  | 97       |
| 20) Methylene Chloride       | 3.044          | 84   | 8410       | 2.271    | ug/l  | # 84     |
| 21) trans-1,2-Dichloroethene | 3.353          | 96   | 6731       | 2.482    | ug/l  | 89       |
| 22) Diisopropyl ether        | 3.989          | 45   | 22883      | 2.411    | ug/l  | # 93     |
| 23) Vinyl Acetate            | 3.954          | 43   | 83834      | 11.342   | ug/l  | 94       |
| 24) 1,1-Dichloroethane       | 3.867          | 63   | 14240      | 2.551    | ug/l  | 98       |
| 25) 2-Butanone               | 4.716          | 43   | 28342      | 11.742   | ug/l  | 92       |
| 26) 2,2-Dichloropropane      | 4.658          | 77   | 10497      | 2.412    | ug/l  | 98       |
| 27) cis-1,2-Dichloroethene   | 4.665          | 96   | 7614       | 2.458    | ug/l  | 86       |
| 28) Bromochloromethane       | 4.973          | 49   | 6339       | 2.469    | ug/l  | # 70     |
| 29) Tetrahydrofuran          | 5.060          | 42   | 17137      | 11.706   | ug/l  | 88       |
| 30) Chloroform               | 5.083          | 83   | 14894      | 2.623    | ug/l  | 98       |
| 31) Cyclohexane              | 5.378          | 56   | 16381      | 3.098    | ug/l  | # 80     |
| 32) 1,1,1-Trichloroethane    | 5.314          | 97   | 11485      | 2.584    | ug/l  | 91       |
| 36) 1,1-Dichloropropene      | 5.523          | 75   | 9908       | 2.391    | ug/l  | 93       |
| 37) Ethyl Acetate            | 4.806          | 43   | 12952m     | 2.466    | ug/l  |          |
| 38) Carbon Tetrachloride     | 5.523          | 117  | 8987       | 2.338    | ug/l  | 97       |
| 39) Methylcyclohexane        | 6.761          | 83   | 10400      | 2.181    | ug/l  | 92       |
| 40) Benzene                  | 5.774          | 78   | 30315      | 2.475    | ug/l  | 97       |

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 Sample : MDL02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL02

Manual Integrations  
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Reviewed By :Krupa Patel 01/20/2023  
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 13 02:04:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 13 02:01:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.976  | 41   | 5460     | 2.216  | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 5.790  | 62   | 11531    | 2.618  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.912  | 43   | 16356    | 2.373  | ug/l # | 95       |
| 44) Trichloroethene           | 6.539  | 130  | 6510     | 2.249  | ug/l   | 80       |
| 45) 1,2-Dichloropropane       | 6.787  | 63   | 8069     | 2.379  | ug/l   | 99       |
| 46) Dibromomethane            | 6.912  | 93   | 5082     | 2.388  | ug/l   | 90       |
| 47) Bromodichloromethane      | 7.099  | 83   | 11078    | 2.538  | ug/l   | 95       |
| 48) Methyl methacrylate       | 6.960  | 41   | 6806     | 2.125  | ug/l   | 83       |
| 49) 1,4-Dioxane               | 7.037  | 88   | 3145     | 51.713 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 48094    | 10.677 | ug/l   | 94       |
| 52) Toluene                   | 7.967  | 92   | 17749    | 2.464  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.208  | 75   | 10537    | 2.287  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene   | 7.603  | 75   | 10701    | 2.133  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 8.398  | 97   | 7156     | 2.408  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 9402     | 2.145  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 8.571  | 76   | 13334    | 2.512  | ug/l   | 95       |
| 59) 2-Hexanone                | 8.684  | 43   | 37264    | 10.824 | ug/l   | 91       |
| 60) Dibromochloromethane      | 8.806  | 129  | 7234     | 2.343  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 8.918  | 107  | 7247     | 2.405  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.549  | 164  | 5356     | 2.359  | ug/l # | 89       |
| 65) Chlorobenzene             | 9.443  | 112  | 18464    | 2.477  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 9.529  | 131  | 6775     | 2.515  | ug/l   | 97       |
| 67) Ethyl Benzene             | 9.568  | 91   | 28468    | 2.202  | ug/l   | 96       |
| 68) m/p-Xylenes               | 9.690  | 106  | 21179    | 4.350  | ug/l   | 92       |
| 69) o-Xylene                  | 10.098 | 106  | 10160    | 2.192  | ug/l   | 89       |
| 70) Styrene                   | 10.111 | 104  | 15280    | 1.966  | ug/l   | 93       |
| 71) Bromoform                 | 10.285 | 173  | 5170     | 2.288  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.481 | 105  | 24697    | 2.271  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.317 | 43   | 10754    | 2.164  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 12301    | 2.681  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 10.819 | 75   | 13064    | 2.596  | ug/l   | 100      |
| 77) Bromobenzene              | 10.780 | 156  | 7003     | 2.588  | ug/l   | 78       |
| 78) n-propylbenzene           | 10.902 | 91   | 31397    | 2.373  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 10.983 | 91   | 20458    | 2.528  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 11.082 | 105  | 21350    | 2.332  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 10.542 | 75   | 2781     | 2.110  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 22275    | 2.414  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 11.417 | 119  | 21730    | 2.382  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 19514    | 2.162  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.639 | 105  | 25171    | 2.188  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.790 | 119  | 19371    | 2.055  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 11.741 | 146  | 12380    | 2.372  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 11.831 | 146  | 13917    | 2.599  | ug/l   | 86       |
| 89) n-Butylbenzene            | 12.204 | 91   | 16771    | 1.955  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.471 | 117  | 4266     | 2.308  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene       | 12.211 | 146  | 13272    | 2.560  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.989 | 75   | 2478     | 2.527  | ug/l   | 74       |
| 93) 1,2,4-Trichlorobenzene    | 13.838 | 180  | 6881     | 2.260  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 14.018 | 225  | 3622     | 2.257  | ug/l   | 96       |
| 95) Naphthalene               | 14.082 | 128  | 18170    | 1.993  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 6481     | 2.130  | ug/l   | 96       |

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Reviewed By :Krupa Patel 01/20/2023  
Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 13 02:04:41 2023  
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Quant Title : SW846 8260  
QLast Update : Fri Jan 13 02:01:27 2023  
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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