

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063022\  
 Data File : VU049555.D  
 Acq On : 30 Jun 2022 11:46  
 Operator : SY/MD  
 Sample : VU0630WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 01 05:23:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 10:35:43 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa  
 Patel  
 07/01/2022  
 Supervised By :Mahesh  
 Dadoda  
 07/01/2022

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.372          | 168  | 235006     | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.250          | 114  | 396567     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.417          | 117  | 360662     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.809         | 152  | 171177     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.703          | 65   | 159993     | 44.206  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 88.420% |        |          |
| 35) Dibromofluoromethane     | 5.288          | 113  | 129678     | 46.740  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 93.480% |        |          |
| 50) Toluene-d8               | 7.896          | 98   | 467014     | 47.193  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 94.380% |        |          |
| 62) 4-Bromofluorobenzene     | 10.632         | 95   | 176028     | 46.436  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 92.880% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385          | 85   | 66285      | 17.553  | ug/l   | 99       |
| 3) Chloromethane             | 1.523          | 50   | 78350      | 16.431  | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.604          | 62   | 69033      | 18.157  | ug/l   | 97       |
| 5) Bromomethane              | 1.851          | 94   | 30532      | 25.826  | ug/l   | 99       |
| 6) Chloroethane              | 1.928          | 64   | 38757      | 23.166  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 2.134          | 101  | 84952      | 17.532  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.375          | 74   | 35961      | 20.546  | ug/l   | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 2.578          | 101  | 50769      | 19.474  | ug/l   | 95       |
| 10) Methyl Iodide            | 2.719          | 142  | 64538      | 28.918  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 3.202          | 59   | 95584m     | 112.834 | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.578          | 96   | 49749      | 19.491  | ug/l   | 88       |
| 13) Acrolein                 | 2.488          | 56   | 30542      | 53.239  | ug/l   | 99       |
| 14) Allyl chloride           | 2.922          | 41   | 100468     | 19.476  | ug/l # | 87       |
| 15) Acrylonitrile            | 3.314          | 53   | 208658     | 102.415 | ug/l   | 99       |
| 16) Acetone                  | 2.633          | 43   | 185163     | 101.450 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.790          | 76   | 137263     | 17.244  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.948          | 43   | 92800      | 18.783  | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 3.362          | 73   | 191044     | 20.124  | ug/l   | 97       |
| 20) Methylene Chloride       | 3.044          | 84   | 61511      | 19.797  | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 3.353          | 96   | 54451      | 19.789  | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.993          | 45   | 200690     | 20.376  | ug/l # | 80       |
| 23) Vinyl Acetate            | 3.954          | 43   | 869250     | 100.693 | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 3.871          | 63   | 112361     | 19.861  | ug/l   | 97       |
| 25) 2-Butanone               | 4.703          | 43   | 286626     | 104.789 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 4.665          | 77   | 90014      | 19.117  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.668          | 96   | 65402      | 20.572  | ug/l   | 91       |
| 28) Bromochloromethane       | 4.973          | 49   | 49168      | 19.883  | ug/l # | 78       |
| 29) Tetrahydrofuran          | 5.051          | 42   | 187249     | 99.791  | ug/l   | 87       |
| 30) Chloroform               | 5.089          | 83   | 109296     | 19.530  | ug/l   | 100      |
| 31) Cyclohexane              | 5.388          | 56   | 100890     | 18.565  | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 5.317          | 97   | 92232      | 18.995  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.526          | 75   | 76287      | 18.963  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.803          | 43   | 107105     | 19.483  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.523          | 117  | 77981      | 18.483  | ug/l   | 99       |
| 39) Methylcyclohexane        | 6.764          | 83   | 91358      | 18.946  | ug/l   | 93       |
| 40) Benzene                  | 5.774          | 78   | 240918     | 19.835  | ug/l   | 99       |

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 ALS Vial : 5 Sample Multiplier: 1

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 ClientSampleId :

Quant Time: Jul 01 05:23:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 10:35:43 2022  
 Response via : Initial Calibration

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 Patel

07/01/2022

Supervised By :Mahesh  
 Dadoda  
 07/01/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.970  | 41   | 55075    | 19.994  | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 5.793  | 62   | 85889    | 19.000  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.912  | 43   | 159732   | 19.830  | ug/l   | 97       |
| 44) Trichloroethene           | 6.542  | 130  | 56311    | 19.503  | ug/l   | 86       |
| 45) 1,2-Dichloropropane       | 6.790  | 63   | 66251    | 19.685  | ug/l   | 97       |
| 46) Dibromomethane            | 6.919  | 93   | 44220    | 19.707  | ug/l   | 92       |
| 47) Bromodichloromethane      | 7.105  | 83   | 82388    | 19.077  | ug/l   | 98       |
| 48) Methyl methacrylate       | 6.960  | 41   | 74207    | 19.658  | ug/l   | 87       |
| 49) 1,4-Dioxane               | 6.986  | 88   | 42968    | 444.293 | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 530195   | 98.351  | ug/l   | 95       |
| 52) Toluene                   | 7.970  | 92   | 147685   | 20.458  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 91188    | 19.684  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.607  | 75   | 99298    | 20.075  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 61978    | 20.765  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 102026   | 20.437  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 8.575  | 76   | 107156   | 20.238  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.465  | 63   | 54724    | 146.023 | ug/l   | 93       |
| 59) 2-Hexanone                | 8.684  | 43   | 407141   | 96.040  | ug/l   | 95       |
| 60) Dibromochloromethane      | 8.809  | 129  | 60961    | 19.641  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 65614    | 20.172  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.555  | 164  | 46819    | 20.239  | ug/l   | 95       |
| 65) Chlorobenzene             | 9.446  | 112  | 148908   | 20.196  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 9.533  | 131  | 55955    | 20.117  | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.568  | 91   | 275117   | 20.325  | ug/l   | 98       |
| 68) m/p-Xylenes               | 9.693  | 106  | 204225   | 40.776  | ug/l   | 89       |
| 69) o-Xylene                  | 10.099 | 106  | 103297   | 20.775  | ug/l   | 91       |
| 70) Styrene                   | 10.115 | 104  | 166905   | 20.892  | ug/l   | 96       |
| 71) Bromoform                 | 10.291 | 173  | 46140    | 19.341  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.484 | 105  | 265087   | 21.739  | ug/l   | 96       |
| 74) N-amyl acetate            | 10.320 | 43   | 132338   | 20.505  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 106926   | 20.701  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 10.822 | 75   | 116140   | 20.015  | ug/l   | 97       |
| 77) Bromobenzene              | 10.780 | 156  | 64308    | 21.606  | ug/l   | 87       |
| 78) n-propylbenzene           | 10.906 | 91   | 309044   | 20.857  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 189955   | 20.808  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 223913   | 21.034  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 10.545 | 75   | 29079    | 18.506  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 212884   | 20.735  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 11.420 | 119  | 222907   | 21.289  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 224473   | 21.464  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 11.642 | 105  | 269469   | 20.469  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 11.793 | 119  | 218835   | 20.555  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.745 | 146  | 116372   | 20.450  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 11.835 | 146  | 115544   | 20.202  | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.208 | 91   | 185989   | 18.872  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.475 | 117  | 36988    | 17.443  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 12.211 | 146  | 116910   | 20.447  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.996 | 75   | 24728    | 18.670  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 13.838 | 180  | 72597    | 20.010  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 32852    | 18.523  | ug/l   | 99       |
| 95) Naphthalene               | 14.086 | 128  | 261669   | 20.583  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 75600    | 19.891  | ug/l   | 98       |

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Quant Title : SW846 8260  
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Response via : Initial Calibration

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

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

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