

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011923\  
 Data File : VU052743.D  
 Acq On : 19 Jan 2023 18:20  
 Operator : JC/MD  
 Sample : VU0119WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0119WBS01

Quant Time: Jan 20 01:12:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U011923W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 20 01:04:16 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 01/20/2023  
 Supervised By : Mahesh Dadoda 01/20/2023

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.369          | 168  | 214012     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.243          | 114  | 356142     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.414          | 117  | 327937     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.806         | 152  | 170600     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.697          | 65   | 153784     | 49.895  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 99.780% |        |          |
| 35) Dibromofluoromethane     | 5.285          | 113  | 123707     | 49.884  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 99.760% |        |          |
| 50) Toluene-d8               | 7.893          | 98   | 459356     | 49.393  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 98.780% |        |          |
| 62) 4-Bromofluorobenzene     | 10.629         | 95   | 166272     | 48.944  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 97.880% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.385          | 85   | 48972      | 19.406  | ug/l   | 96       |
| 3) Chloromethane             | 1.520          | 50   | 50491      | 19.478  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.604          | 62   | 51500      | 19.920  | ug/l   | 99       |
| 5) Bromomethane              | 1.858          | 94   | 26296      | 20.603  | ug/l   | 100      |
| 6) Chloroethane              | 1.932          | 64   | 32066      | 19.621  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 2.134          | 101  | 78070      | 19.614  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.375          | 74   | 29491      | 20.354  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.578          | 101  | 45597      | 19.810  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.719          | 142  | 40282      | 22.255  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 3.263          | 59   | 53615m     | 102.091 | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.578          | 96   | 44755      | 19.660  | ug/l   | 97       |
| 13) Acrolein                 | 2.488          | 56   | 47800      | 96.569  | ug/l   | 100      |
| 14) Allyl chloride           | 2.922          | 41   | 73835      | 20.592  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.314          | 53   | 147621     | 101.874 | ug/l   | 99       |
| 16) Acetone                  | 2.639          | 43   | 147302     | 100.277 | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.790          | 76   | 130535     | 19.138  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.948          | 43   | 82055      | 20.183  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.359          | 73   | 156597     | 20.305  | ug/l   | 99       |
| 20) Methylene Chloride       | 3.044          | 84   | 54704      | 19.866  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.349          | 96   | 49029      | 19.980  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.986          | 45   | 156573     | 20.998  | ug/l   | 93       |
| 23) Vinyl Acetate            | 3.948          | 43   | 594700     | 103.942 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.864          | 63   | 93881      | 19.851  | ug/l   | 100      |
| 25) 2-Butanone               | 4.703          | 43   | 195941     | 103.427 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.658          | 77   | 76658      | 19.759  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.661          | 96   | 57161      | 21.220  | ug/l   | 100      |
| 28) Bromochloromethane       | 4.970          | 49   | 41273      | 20.908  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.054          | 42   | 116414     | 105.854 | ug/l   | 99       |
| 30) Chloroform               | 5.083          | 83   | 97030      | 19.194  | ug/l   | 99       |
| 31) Cyclohexane              | 5.382          | 56   | 87031      | 20.152  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.311          | 97   | 83893      | 20.261  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.523          | 75   | 69484      | 19.528  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.800          | 43   | 71369      | 18.452  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.520          | 117  | 71811      | 19.617  | ug/l   | 99       |
| 39) Methylcyclohexane        | 6.761          | 83   | 81037      | 19.572  | ug/l   | 97       |
| 40) Benzene                  | 5.771          | 78   | 210818     | 19.622  | ug/l   | 99       |

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 MSVOA\_U  
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Quant Time: Jan 20 01:12:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U011923W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 20 01:04:16 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/20/2023  
 Supervised By : Mahesh Dadoda 01/20/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.970  | 41   | 37798    | 20.200  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.790  | 62   | 78030    | 20.114  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.906  | 43   | 107075   | 19.861  | ug/l   | 99       |
| 44) Trichloroethene           | 6.539  | 130  | 52147    | 19.623  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 6.787  | 63   | 54530    | 19.678  | ug/l   | 99       |
| 46) Dibromomethane            | 6.912  | 93   | 37474    | 19.527  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.102  | 83   | 73730    | 19.200  | ug/l   | 100      |
| 48) Methyl methacrylate       | 6.957  | 41   | 51738    | 21.060  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.025  | 88   | 20426    | 429.085 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 357590   | 102.482 | ug/l   | 99       |
| 52) Toluene                   | 7.963  | 92   | 132038   | 20.321  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.205  | 75   | 78448    | 19.557  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 7.603  | 75   | 83608    | 19.543  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 8.394  | 97   | 51118    | 19.273  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 8.330  | 69   | 76430    | 19.435  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 8.571  | 76   | 93787    | 20.166  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.459  | 63   | 8413     | 74.192  | ug/l   | 98       |
| 59) 2-Hexanone                | 8.684  | 43   | 278724   | 103.691 | ug/l   | 100      |
| 60) Dibromochloromethane      | 8.806  | 129  | 56181    | 19.289  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 8.918  | 107  | 55969    | 20.100  | ug/l   | 100      |
| 64) Tetrachloroethene         | 8.549  | 164  | 44918    | 19.716  | ug/l   | 98       |
| 65) Chlorobenzene             | 9.443  | 112  | 136883   | 19.726  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 9.529  | 131  | 50476    | 19.404  | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.565  | 91   | 237111   | 20.219  | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.690  | 106  | 188031   | 41.285  | ug/l   | 100      |
| 69) o-Xylene                  | 10.095 | 106  | 90195    | 20.744  | ug/l   | 97       |
| 70) Styrene                   | 10.111 | 104  | 148749   | 19.579  | ug/l   | 99       |
| 71) Bromoform                 | 10.285 | 173  | 42338    | 19.488  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.481 | 105  | 235657   | 20.968  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.317 | 43   | 89791    | 20.971  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 87292    | 19.604  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 10.819 | 75   | 92551    | 19.880  | ug/l   | 97       |
| 77) Bromobenzene              | 10.777 | 156  | 57741    | 19.865  | ug/l   | 99       |
| 78) n-propylbenzene           | 10.902 | 91   | 277799   | 21.017  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 10.983 | 91   | 169357   | 20.734  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.082 | 105  | 198800   | 21.292  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.542 | 75   | 22834    | 19.059  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.092 | 91   | 191420   | 20.561  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.417 | 119  | 197038   | 20.561  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.462 | 105  | 196631   | 21.218  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.639 | 105  | 248037   | 21.144  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.790 | 119  | 208953   | 20.948  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.741 | 146  | 109513   | 19.765  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 11.831 | 146  | 111414   | 19.557  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.204 | 91   | 166977   | 18.816  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.471 | 117  | 34891    | 18.232  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.208 | 146  | 109967   | 19.680  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.992 | 75   | 18077    | 19.565  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.835 | 180  | 62201    | 19.060  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.018 | 225  | 34555    | 19.103  | ug/l   | 98       |
| 95) Naphthalene               | 14.082 | 128  | 184491   | 18.673  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.323 | 180  | 64677    | 19.964  | ug/l   | 99       |

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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Fri Jan 20 01:04:16 2023  
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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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