

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092321\  
 Data File : VX024459.D  
 Acq On : 23 Sep 2021 19:14  
 Operator : JC/MD  
 Sample : VX0923WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0923WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2021 6:57:56 PM

Quant Time: Sep 24 07:37:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 18:24:34 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 164669              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 257284              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 248444              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 125446              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 119352              | 51.427  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 102.860% |         |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 88064               | 51.523  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.040% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 320134              | 50.889  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 101.780% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 121580              | 49.155  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 98.300%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 39445               | 23.806  | ug/l   | 96       |
| 3) Chloromethane             | 1.294          | 50   | 32500               | 20.808  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 35096               | 21.482  | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 23148               | 21.051  | ug/l   | 97       |
| 6) Chloroethane              | 1.685          | 64   | 19038               | 17.664  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 55939               | 19.402  | ug/l   | 96       |
| 8) Diethyl Ether             | 2.142          | 74   | 18612               | 18.966  | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 34834               | 21.426  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 46990               | 20.657  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 67077               | 117.727 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 30786               | 20.395  | ug/l   | 87       |
| 13) Acrolein                 | 2.239          | 56   | 12167               | 103.091 | ug/l   | 93       |
| 14) Allyl chloride           | 2.666          | 41   | 63861               | 23.140  | ug/l   | 95       |
| 15) Acrylonitrile            | 3.069          | 53   | 121334              | 115.080 | ug/l   | 97       |
| 16) Acetone                  | 2.386          | 43   | 108989              | 105.440 | ug/l   | 93       |
| 17) Carbon Disulfide         | 2.514          | 76   | 86536               | 22.366  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.709          | 43   | 79569               | 22.896  | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 126987              | 22.322  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.794          | 84   | 40499               | 22.698  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 3.099          | 96   | 37967               | 22.150  | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.770          | 45   | 112876              | 20.019  | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.733          | 43   | 482817              | 105.746 | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 66531               | 21.252  | ug/l   | 96       |
| 25) 2-Butanone               | 4.568          | 43   | 170725              | 106.817 | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 56668               | 20.123  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.501          | 96   | 40609               | 20.270  | ug/l   | 97       |
| 28) Bromochloromethane       | 4.910          | 49   | 27712               | 19.499  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 110004              | 108.015 | ug/l   | 90       |
| 30) Chloroform               | 5.105          | 83   | 68841               | 19.911  | ug/l   | 98       |
| 31) Cyclohexane              | 5.483          | 56   | 57347               | 20.636  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.397          | 97   | 63123               | 20.564  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 48531               | 19.676  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.727          | 43   | 61968               | 20.123  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 53856               | 20.059  | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.385          | 83   | 61571               | 21.319  | ug/l   | 96       |
| 40) Benzene                  | 6.044          | 78   | 140353              | 19.900  | ug/l   | 98       |

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 Operator : JC/MD  
 Sample : VX0923WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0923WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2021 6:57:56 PM

Quant Time: Sep 24 07:37:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 18:24:34 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 34244    | 21.533  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 59114    | 19.958  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 95764    | 20.455  | ug/l   | 93       |
| 44) Trichloroethene           | 7.135  | 130  | 40390    | 20.814  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.440  | 63   | 36333    | 19.968  | ug/l   | 92       |
| 46) Dibromomethane            | 7.586  | 93   | 26569    | 19.473  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.830  | 83   | 51652    | 20.656  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 46854    | 20.212  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 22248    | 419.012 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 321861   | 104.140 | ug/l   | 91       |
| 52) Toluene                   | 8.720  | 92   | 91263    | 20.032  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 56707    | 20.008  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 59368    | 20.600  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 39686    | 21.067  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 60153    | 20.062  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 62280    | 19.594  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 146234   | 98.806  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 252766   | 103.850 | ug/l   | 88       |
| 60) Dibromochloromethane      | 9.525  | 129  | 39855    | 19.390  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 41496    | 20.065  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 32694    | 19.014  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 104653   | 20.220  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 36486    | 18.915  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 182040   | 19.869  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 141524   | 40.283  | ug/l   | 98       |
| 69) o-Xylene                  | 10.646 | 106  | 68876    | 19.826  | ug/l   | 99       |
| 70) Styrene                   | 10.659 | 104  | 114884   | 19.776  | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 27850    | 18.118  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 192215   | 21.674  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 81700    | 20.028  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 61680    | 19.667  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 57786m   | 20.284  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 46224    | 20.256  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 215252   | 20.763  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 127283   | 20.155  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 157712   | 20.817  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 17439    | 18.154  | ug/l # | 85       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 148647   | 20.005  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 152941   | 20.136  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 153117   | 20.326  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 200256   | 21.431  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 169302   | 21.248  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.975 | 146  | 85549    | 19.685  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 82158    | 18.301  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 142571   | 20.207  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.542 | 117  | 26007    | 19.849  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 85397    | 19.876  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 14939    | 19.728  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 56253    | 20.565  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 25323    | 20.237  | ug/l   | 97       |
| 95) Naphthalene               | 13.780 | 128  | 196572   | 22.452  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 57560    | 20.535  | ug/l   | 99       |

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0923WBS01

Manual Integrations  
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MMDadoda  
9/24/2021 6:57:56 PM

Quant Time: Sep 24 07:37:47 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 23 18:24:34 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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