

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030221\  
 Data File : VX020940.D  
 Acq On : 01 Mar 2021 17:36  
 Operator : JC/MD  
 Sample : VX0302WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0302WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/2/2021 3:28:58 PM

Quant Time: Mar 02 00:30:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|--------|--------|----------|
| -----                        |                |      |            |        |        |          |
| Internal Standards           |                |      |            |        |        |          |
| 1) Pentafluorobenzene        | 5.629          | 168  | 203077     | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.829          | 114  | 339861     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.094         | 117  | 291132     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.059         | 152  | 129019     | 50.00  | ug/l   | 0.00     |
|                              |                |      |            |        |        |          |
| System Monitoring Compounds  |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.029          | 65   | 125051     | 45.59  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 91.18% |        |          |
| 35) Dibromofluoromethane     | 5.470          | 113  | 103166     | 49.96  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 99.92% |        |          |
| 50) Toluene-d8               | 8.694          | 98   | 386221     | 47.97  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 95.94% |        |          |
| 62) 4-Bromofluorobenzene     | 11.118         | 95   | 135638     | 45.56  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 91.12% |        |          |
|                              |                |      |            |        |        |          |
| Target Compounds             |                |      |            |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.187          | 85   | 36154      | 16.47  | ug/l   | 99       |
| 3) Chloromethane             | 1.311          | 50   | 41484      | 17.00  | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.393          | 62   | 46899      | 16.70  | ug/l   | 100      |
| 5) Bromomethane              | 1.634          | 94   | 25000      | 23.37  | ug/l   | 98       |
| 6) Chloroethane              | 1.711          | 64   | 30860      | 17.56  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.917          | 101  | 64496      | 18.19  | ug/l   | 96       |
| 8) Diethyl Ether             | 2.170          | 74   | 28551      | 17.35  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.370          | 101  | 38617      | 17.68  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.493          | 142  | 51757      | 17.63  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 3.023          | 59   | 42770      | 70.02  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.358          | 96   | 39734      | 17.48  | ug/l   | 100      |
| 13) Acrolein                 | 2.276          | 56   | 23866      | 63.10  | ug/l   | 99       |
| 14) Allyl chloride           | 2.711          | 41   | 60374      | 16.26  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.117          | 53   | 105025     | 80.58  | ug/l   | 100      |
| 16) Acetone                  | 2.423          | 43   | 85711      | 75.83  | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.552          | 76   | 111199     | 17.17  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.746          | 43   | 42552      | 15.92  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.164          | 73   | 140896     | 17.35  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.834          | 84   | 46817      | 17.27  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.140          | 96   | 44731      | 17.52  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.823          | 45   | 127261     | 17.04  | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.782          | 43   | 529354     | 82.89  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.670          | 63   | 75502      | 17.16  | ug/l   | 99       |
| 25) 2-Butanone               | 4.629          | 43   | 134085     | 78.09  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.552          | 77   | 67618      | 16.93  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.564          | 96   | 51561      | 17.53  | ug/l   | 95       |
| 28) Bromochloromethane       | 4.982          | 49   | 32169      | 17.10  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 5.088          | 42   | 85079      | 77.20  | ug/l   | 96       |
| 30) Chloroform               | 5.176          | 83   | 79074      | 17.84  | ug/l   | 96       |
| 31) Cyclohexane              | 5.552          | 56   | 67900      | 17.10  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.464          | 97   | 69093      | 17.90  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.770          | 75   | 59520      | 18.42  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.794          | 43   | 53064      | 17.27  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.752          | 117  | 59194      | 18.91  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.441          | 83   | 72844      | 17.98  | ug/l   | 98       |
| 40) Benzene                  | 6.111          | 78   | 181495     | 18.74  | ug/l   | 99       |

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 Sample : VX0302WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0302WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/2/2021 3:28:58 PM

Quant Time: Mar 02 00:30:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.999  | 41   | 30573    | 17.69  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.164  | 62   | 61095    | 18.98  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.406  | 43   | 88768    | 16.98  | ug/l   | 99       |
| 44) Trichloroethene           | 7.188  | 130  | 50453    | 19.82  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.488  | 63   | 44310    | 18.26  | ug/l   | 98       |
| 46) Dibromomethane            | 7.635  | 93   | 31183    | 19.08  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.876  | 83   | 64359    | 18.91  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.747  | 41   | 45003    | 17.16  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 7.723  | 88   | 20814    | 340.03 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.618  | 43   | 256313   | 84.21  | ug/l   | 99       |
| 52) Toluene                   | 8.765  | 92   | 114872   | 19.05  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 9.024  | 75   | 66617    | 17.46  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.412  | 75   | 76268    | 18.24  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.194  | 97   | 45595    | 19.14  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 66401    | 17.22  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.353  | 76   | 76947    | 18.83  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.288  | 63   | 168859   | 89.53  | ug/l   | 96       |
| 59) 2-Hexanone                | 9.471  | 43   | 186775   | 81.79  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.565  | 129  | 48722    | 19.38  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 48232    | 19.31  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.318  | 164  | 44026    | 20.95  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.118 | 112  | 116199   | 18.96  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 10.200 | 131  | 43193    | 19.10  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.235 | 91   | 207971   | 18.71  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.341 | 106  | 155528   | 38.02  | ug/l   | 97       |
| 69) o-Xylene                  | 10.683 | 106  | 74225    | 18.59  | ug/l   | 99       |
| 70) Styrene                   | 10.694 | 104  | 125356   | 18.30  | ug/l   | 99       |
| 71) Bromoform                 | 10.841 | 173  | 33396    | 19.11  | ug/l # | 98       |
| 73) Isopropylbenzene          | 11.000 | 105  | 196611   | 19.30  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.877 | 43   | 69030    | 16.73  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.253 | 83   | 59984    | 18.26  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.277 | 75   | 51262m   | 18.47  | ug/l   |          |
| 77) Bromobenzene              | 11.236 | 156  | 48204    | 20.33  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.341 | 91   | 219326   | 18.87  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.400 | 91   | 131808   | 18.72  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.489 | 105  | 164066   | 19.35  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.059 | 75   | 19632    | 15.66  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.494 | 91   | 152627   | 18.80  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.753 | 119  | 154342   | 18.71  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.789 | 105  | 162960   | 18.93  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.930 | 105  | 185449   | 19.08  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.047 | 119  | 166403   | 18.68  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 12.012 | 146  | 81849    | 19.28  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.083 | 146  | 83610    | 19.33  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.371 | 91   | 144753   | 18.20  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.577 | 117  | 30034    | 17.66  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.377 | 146  | 83179    | 20.07  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.983 | 75   | 13234    | 17.59  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.630 | 180  | 51448    | 19.36  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.765 | 225  | 21256    | 19.97  | ug/l   | 98       |
| 95) Naphthalene               | 13.818 | 128  | 182405   | 19.28  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.001 | 180  | 52666    | 19.96  | ug/l   | 99       |

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 Sample : VX0302WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0302WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/2/2021 3:28:58 PM

Quant Time: Mar 02 00:30:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

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

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

