

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032321\  
 Data File : VX021377.D  
 Acq On : 23 Mar 2021 12:06  
 Operator : JC/MD  
 Sample : VX0323WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0323WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/24/2021 6:15:51 PM

Quant Time: Mar 23 15:03:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.623  | 168   | 75847    | 50.00    | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene      | 6.829  | 114   | 127636   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.094 | 117   | 121153   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.059 | 152   | 60417    | 50.00    | ug/l   | 0.00     |
|                              |        |       |          |          |        |          |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.023  | 65    | 60724    | 48.81    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 97.62%   |
| 35) Dibromofluoromethane     | 5.464  | 113   | 42828    | 49.31    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 98.62%   |
| 50) Toluene-d8               | 8.694  | 98    | 154393   | 48.99    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 97.98%   |
| 62) 4-Bromofluorobenzene     | 11.118 | 95    | 62146    | 50.78    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 101.56%  |
|                              |        |       |          |          |        |          |
| Target Compounds             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.187  | 85    | 16711    | 18.44    | ug/l   | 95       |
| 3) Chloromethane             | 1.311  | 50    | 20027    | 13.79    | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.393  | 62    | 16958    | 18.38    | ug/l   | 95       |
| 5) Bromomethane              | 1.623  | 94    | 8645     | 21.45    | ug/l   | 100      |
| 6) Chloroethane              | 1.705  | 64    | 10577    | 18.75    | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.911  | 101   | 27704    | 19.91    | ug/l   | 99       |
| 8) Diethyl Ether             | 2.170  | 74    | 9214     | 18.82    | ug/l   | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 2.364  | 101   | 15359    | 19.38    | ug/l   | 96       |
| 10) Methyl Iodide            | 2.487  | 142   | 13045    | 18.85    | ug/l # | 89       |
| 11) Tert butyl alcohol       | 3.005  | 59    | 18345    | 87.78    | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.352  | 96    | 13738    | 17.77    | ug/l # | 75       |
| 13) Acrolein                 | 2.270  | 56    | 12340    | 100.69   | ug/l   | 98       |
| 14) Allyl chloride           | 2.705  | 41    | 28619    | 17.96    | ug/l # | 86       |
| 15) Acrylonitrile            | 3.111  | 53    | 45224    | 93.07    | ug/l   | 98       |
| 16) Acetone                  | 2.417  | 43    | 41275    | 90.17    | ug/l   | 88       |
| 17) Carbon Disulfide         | 2.546  | 76    | 38694    | 17.55    | ug/l   | 99       |
| 18) Methyl Acetate           | 2.746  | 43    | 22914    | 18.27    | ug/l # | 89       |
| 19) Methyl tert-butyl Ether  | 3.164  | 73    | 53955    | 18.59    | ug/l   | 100      |
| 20) Methylene Chloride       | 2.835  | 84    | 16648    | 17.68    | ug/l # | 82       |
| 21) trans-1,2-Dichloroethene | 3.140  | 96    | 16000    | 18.54    | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.823  | 45    | 57967    | 18.93    | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.782  | 43    | 243396   | 91.12    | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 3.664  | 63    | 31323    | 18.95    | ug/l   | 98       |
| 25) 2-Butanone               | 4.629  | 43    | 64329    | 91.39    | ug/l # | 89       |
| 26) 2,2-Dichloropropane      | 4.547  | 77    | 26290    | 18.22    | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.558  | 96    | 18083    | 18.23    | ug/l   | 89       |
| 28) Bromochloromethane       | 4.976  | 49    | 15604    | 20.03    | ug/l   | 84       |
| 29) Tetrahydrofuran          | 5.088  | 42    | 41452    | 89.17    | ug/l # | 86       |
| 30) Chloroform               | 5.170  | 83    | 33258    | 19.32    | ug/l   | 98       |
| 31) Cyclohexane              | 5.541  | 56    | 26605    | 17.69    | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 5.458  | 97    | 29226    | 19.16    | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 5.764  | 75    | 22950    | 17.85    | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.788  | 43    | 25509    | 17.12    | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 5.747  | 117   | 25498    | 19.09    | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.435  | 83    | 26698    | 18.70    | ug/l   | 89       |
| 40) Benzene                  | 6.106  | 78    | 66785    | 18.84    | ug/l   | 97       |

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 Operator : JC/MD  
 Sample : VX0323WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0323WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/24/2021 6:15:51 PM

Quant Time: Mar 23 15:03:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 5.000  | 41   | 14661    | 17.14  | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 6.158  | 62   | 29497    | 19.29  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 6.406  | 43   | 42244    | 17.29  | ug/l # | 90       |
| 44) Trichloroethene           | 7.182  | 130  | 17551    | 18.64  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.488  | 63   | 18082    | 18.99  | ug/l   | 97       |
| 46) Dibromomethane            | 7.635  | 93   | 13081    | 18.77  | ug/l   | 91       |
| 47) Bromodichloromethane      | 7.870  | 83   | 26730    | 19.13  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.741  | 41   | 22802    | 17.59  | ug/l # | 80       |
| 49) 1,4-Dioxane               | 7.706  | 88   | 8420     | 374.38 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone      | 8.618  | 43   | 133390   | 93.81  | ug/l   | 88       |
| 52) Toluene                   | 8.765  | 92   | 42248    | 19.28  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 9.024  | 75   | 27120    | 18.29  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.412  | 75   | 29085    | 18.37  | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 9.194  | 97   | 17445    | 19.46  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 25846    | 17.93  | ug/l # | 72       |
| 57) 1,3-Dichloropropane       | 9.347  | 76   | 29951    | 19.20  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.288  | 63   | 71003    | 90.11  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.471  | 43   | 99454    | 93.45  | ug/l   | 84       |
| 60) Dibromochloromethane      | 9.565  | 129  | 19868    | 19.46  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 18599    | 18.93  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.318  | 164  | 16115    | 17.81  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.118 | 112  | 45715    | 18.35  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 10.200 | 131  | 18195    | 19.69  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.236 | 91   | 84097    | 18.26  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.341 | 106  | 59742    | 36.30  | ug/l   | 91       |
| 69) o-Xylene                  | 10.683 | 106  | 29039    | 18.16  | ug/l   | 91       |
| 70) Styrene                   | 10.694 | 104  | 49670    | 18.51  | ug/l   | 94       |
| 71) Bromoform                 | 10.841 | 173  | 14265    | 19.09  | ug/l # | 98       |
| 73) Isopropylbenzene          | 11.000 | 105  | 78789    | 17.56  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.877 | 43   | 37524    | 16.48  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 11.247 | 83   | 27657    | 18.56  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.277 | 75   | 23687m   | 16.90  | ug/l   |          |
| 77) Bromobenzene              | 11.236 | 156  | 20194    | 18.96  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.342 | 91   | 95637    | 18.22  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.400 | 91   | 58944    | 18.49  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.489 | 105  | 70999    | 18.70  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.053 | 75   | 8112     | 15.71  | ug/l # | 81       |
| 82) 4-Chlorotoluene           | 11.494 | 91   | 69301    | 18.46  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.753 | 119  | 67536    | 18.68  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 11.789 | 105  | 70584    | 18.28  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.930 | 105  | 78501    | 18.42  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.047 | 119  | 71974    | 18.43  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 34726    | 17.88  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 12.083 | 146  | 35225    | 17.74  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.371 | 91   | 66504    | 18.69  | ug/l   | 94       |
| 90) Hexachloroethane          | 12.577 | 117  | 12751    | 21.44  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 12.377 | 146  | 35307    | 18.64  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.983 | 75   | 6240     | 16.33  | ug/l   | 79       |
| 93) 1,2,4-Trichlorobenzene    | 13.630 | 180  | 22067    | 17.72  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.765 | 225  | 10010    | 19.16  | ug/l   | 99       |
| 95) Naphthalene               | 13.818 | 128  | 69996    | 16.33  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.001 | 180  | 22281    | 17.97  | ug/l   | 98       |

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Sample : VX0323WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323WBS01

Manual Integrations  
APPROVED

MMDadoda  
3/24/2021 6:15:51 PM

Quant Time: Mar 23 15:03:44 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 16 14:00:21 2021  
Response via : Initial Calibration

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

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

