

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102220\  
 Data File : VX019022.D  
 Acq On : 22 Oct 2020 13:23  
 Operator : JC/SP  
 Sample : VX1022WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1022WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 10/23/2020 11:45:02 AM

Quant Time: Oct 23 08:54:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X102120W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 22 17:51:42 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 239020   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 391985   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 361711   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 183225   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 135535   | 47.34 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.68% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 117477   | 47.34 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.68% |          |
| 50) Toluene-d8              | 8.70  | 98   | 452313   | 47.76 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.52% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 158267   | 46.98 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.96% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85   | 45304    | 19.029 | ug/l  | 100    |
| 3) Chloromethane              | 1.31 | 50   | 43836    | 18.518 | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.39 | 62   | 52548    | 18.813 | ug/l  | 98     |
| 5) Bromomethane               | 1.64 | 94   | 54870    | 17.974 | ug/l  | 98     |
| 6) Chloroethane               | 1.71 | 64   | 35209    | 16.492 | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 85101    | 18.029 | ug/l  | 97     |
| 8) Diethyl Ether              | 2.17 | 74   | 33552    | 18.153 | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 40953    | 18.314 | ug/l  | 100    |
| 10) Methyl Iodide             | 2.49 | 142  | 49371    | 18.933 | ug/l  | 100    |
| 11) Tert butyl alcohol        | 3.03 | 59   | 54798    | 94.501 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.35 | 96   | 42049    | 18.074 | ug/l  | 98     |
| 13) Acrolein                  | 2.28 | 56   | 18473    | 93.504 | ug/l  | 98     |
| 14) Allyl chloride            | 2.71 | 41   | 53362    | 17.730 | ug/l  | 99     |
| 15) Acrylonitrile             | 3.12 | 53   | 102092   | 91.047 | ug/l  | 99     |
| 16) Acetone                   | 2.43 | 43   | 86969    | 89.181 | ug/l  | 98     |
| 17) Carbon Disulfide          | 2.55 | 76   | 115925   | 17.278 | ug/l  | 99     |
| 18) Methyl Acetate            | 2.75 | 43   | 44459    | 18.372 | ug/l  | 96     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73   | 132632   | 17.998 | ug/l  | 99     |
| 20) Methylene Chloride        | 2.84 | 84   | 49083    | 18.079 | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96   | 48024    | 17.691 | ug/l  | 96     |
| 22) Diisopropyl ether         | 3.82 | 45   | 108080   | 18.212 | ug/l  | 97     |
| 23) Vinyl Acetate             | 3.78 | 43   | 514589   | 91.316 | ug/l  | 98     |
| 24) 1,1-Dichloroethane        | 3.67 | 63   | 78156    | 18.083 | ug/l  | 99     |
| 25) 2-Butanone                | 4.64 | 43   | 141331   | 91.720 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.55 | 77   | 71219    | 17.847 | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96   | 54674    | 17.746 | ug/l  | 99     |
| 28) Bromochloromethane        | 4.98 | 49   | 32992    | 17.977 | ug/l  | 99     |
| 29) Tetrahydrofuran           | 5.09 | 42   | 81716    | 88.726 | ug/l  | 99     |
| 30) Chloroform                | 5.18 | 83   | 86156    | 18.361 | ug/l  | 97     |
| 31) Cyclohexane               | 5.55 | 56   | 60579    | 18.068 | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97   | 77172    | 18.134 | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.77 | 75   | 64354    | 18.297 | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.79 | 43   | 57191    | 19.051 | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.75 | 117  | 65817    | 17.828 | ug/l  | 98     |

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Quant Time: Oct 23 08:54:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X102120W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 22 17:51:42 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 71829    | 18.228  | ug/l   | 99       |
| 40) Benzene                    | 6.11  | 78   | 189858   | 18.328  | ug/l   | 97       |
| 41) Methacrylonitrile          | 5.00  | 41   | 29500    | 18.293  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.16  | 62   | 66914    | 18.928  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.41  | 43   | 93967    | 18.482  | ug/l   | 99       |
| 44) Trichloroethene            | 7.19  | 130  | 54984    | 18.201  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 45411    | 18.276  | ug/l   | 100      |
| 46) Dibromomethane             | 7.64  | 93   | 34108    | 18.023  | ug/l   | 100      |
| 47) Bromodichloromethane       | 7.88  | 83   | 67458    | 18.180  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.74  | 41   | 44143    | 17.621  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 21328    | 376.803 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 283427   | 94.604  | ug/l   | 100      |
| 52) Toluene                    | 8.77  | 92   | 124785   | 18.238  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 73076    | 17.439  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.41  | 75   | 80297    | 18.147  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 51029    | 18.296  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 72099    | 17.968  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 82429    | 18.619  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 201313   | 95.502  | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.48  | 43   | 215500   | 96.523  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 53656    | 17.650  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 53820    | 18.035  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.32  | 164  | 50577    | 18.365  | ug/l   | 91       |
| 65) Chlorobenzene              | 10.12 | 112  | 137548   | 18.129  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 49252    | 18.258  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.24 | 91   | 238003   | 18.198  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.34 | 106  | 183436   | 36.615  | ug/l   | 99       |
| 69) o-Xylene                   | 10.68 | 106  | 87582    | 18.266  | ug/l   | 99       |
| 70) Styrene                    | 10.69 | 104  | 146357   | 17.979  | ug/l   | 99       |
| 71) Bromoform                  | 10.84 | 173  | 38763    | 17.801  | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.00 | 105  | 239238   | 18.151  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.88 | 43   | 76708    | 18.164  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 73688    | 18.557  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 67901m   | 18.541  | ug/l   |          |
| 77) Bromobenzene               | 11.24 | 156  | 57790    | 17.360  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.34 | 91   | 268057   | 17.948  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 154564   | 17.739  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 195002   | 17.915  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 24167    | 16.813  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 184370   | 17.783  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 193805   | 18.075  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 198512   | 18.214  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.93 | 105  | 233204   | 17.973  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 213066   | 17.972  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 106854   | 17.499  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 107925   | 17.222  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.37 | 91   | 194591   | 17.931  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.58 | 117  | 31847    | 17.547  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 103045   | 18.099  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 16076    | 17.780  | ug/l   | 96       |

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| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 71565    | 17.181 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 32952    | 17.064 | ug/l  | 99       |
| 95) Naphthalene            | 13.82 | 128  | 231035   | 17.629 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180  | 68304    | 16.847 | ug/l  | 98       |

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

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