

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV083021\  
 Data File : VV021996.D  
 Acq On : 30 Aug 2021 11:48  
 Operator : SY/MD  
 Sample : M3573-03MSD  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESQK5MSD

Quant Time: Aug 31 02:36:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 31 02:34:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114   | 367818   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853   | 117   | 352508   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152   | 192337   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 110008   | 43.188   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 86.380%  |
| 7) Chloroethane-d5            | 1.561   | 69    | 91353    | 45.925   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 91.860%  |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63    | 193294   | 45.885   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.760%  |
| 21) 2-Butanone-d5             | 3.876   | 46    | 179716   | 102.877  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 102.880% |
| 24) Chloroform-d              | 4.352   | 84    | 223384   | 48.096   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 132579   | 48.462   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.920%  |
| 32) Benzene-d6                | 5.053   | 84    | 455018   | 47.590   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.180%  |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 141438   | 47.038   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 94.080%  |
| 41) Toluene-d8                | 7.320   | 98    | 426610   | 47.267   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.540%  |
| 43) trans-1,3-Dichloroprop... | 7.625   | 79    | 67130    | 46.906   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.820%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 127188   | 110.241  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 110.240% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220  | 84    | 202712   | 52.639   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 105.280% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 176569   | 46.697   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.400%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 115015   | 45.491   | ug/L   | 99       |
| 3) Chloromethane              | 1.240   | 50    | 122509   | 45.760   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.307   | 62    | 127422   | 47.221   | ug/L   | 99       |
| 6) Bromomethane               | 1.513   | 94    | 80993    | 49.923   | ug/L   | 97       |
| 8) Chloroethane               | 1.580   | 64    | 80784    | 47.856   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.751   | 101   | 184845   | 48.103   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101   | 104002   | 46.144   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.117   | 96    | 101368   | 47.778   | ug/L   | 87       |
| 13) Acetone                   | 2.159   | 43    | 114642   | 78.324   | ug/L # | 74       |
| 14) Carbon disulfide          | 2.291   | 76    | 309068   | 48.278   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.426   | 43    | 145272   | 50.965   | ug/L   | 98       |
| 16) Methylene chloride        | 2.506   | 84    | 135493   | 47.666   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.760   | 96    | 125550   | 48.942   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.770   | 73    | 399631   | 49.024   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.191   | 63    | 226030   | 49.471   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.915   | 96    | 140855   | 49.334   | ug/L   | 100      |
| 22) 2-Butanone                | 3.960   | 43    | 190164   | 92.428   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.252   | 128   | 75615    | 49.729   | ug/L   | 98       |
| 25) Chloroform                | 4.378   | 83    | 237658   | 49.138   | ug/L   | 98       |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESQK5MSD

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 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 31 02:34:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 164511   | 50.743  | ug/L  | 99       |
| 29) Cyclohexane               | 4.680  | 56   | 182419   | 46.293  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.612  | 97   | 203027   | 48.460  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 175903   | 48.869  | ug/L  | 99       |
| 33) Benzene                   | 5.101  | 78   | 502608   | 49.006  | ug/L  | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 134200   | 46.195  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.137  | 83   | 186853   | 43.997  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.178  | 63   | 129798   | 48.823  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 169409   | 49.829  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 203447   | 49.566  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 373650   | 103.671 | ug/L  | 99       |
| 42) Toluene                   | 7.391  | 91   | 547559   | 49.467  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 192682   | 50.439  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 132835   | 49.107  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.979  | 164  | 104883   | 46.431  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.140  | 43   | 277593   | 99.266  | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.249  | 129  | 147191   | 50.834  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 145721   | 50.195  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.886  | 112  | 359380   | 48.289  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 579881   | 48.394  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 222274   | 47.725  | ug/L  | 98       |
| 54) o-Xylene                  | 9.545  | 106  | 226195   | 49.085  | ug/L  | 99       |
| 55) Styrene                   | 9.564  | 104  | 391108   | 49.732  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83   | 213994   | 54.600  | ug/L  | 99       |
| 59) Bromoform                 | 9.734  | 173  | 107380   | 52.565  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.934  | 105  | 590465   | 48.857  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 168467   | 50.538  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105  | 486644   | 47.963  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 503653   | 48.837  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.185 | 146  | 295654   | 48.182  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 292939   | 46.654  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 296810   | 48.715  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 42834    | 53.316  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 211321   | 46.056  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 188925   | 46.807  | ug/L  | 100      |
| 71) Naphthalene               | 13.503 | 128  | 602381   | 51.882  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 191263   | 48.583  | ug/L  | 100      |

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

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