

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U041322\  
 Data File : U048017.D  
 Acq On : 13 Apr 2022 20:26  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050198

Quant Time: Apr 14 03:11:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 14 02:49:33 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 363317   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 375884   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.813  | 152   | 219077   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601   | 65    | 130223   | 49.427   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 98.860%  |
| 7) Chloroethane-d5            | 1.913   | 69    | 109171   | 52.551   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 105.100% |
| 11) 1,1-Dichloroethene-d2     | 2.572   | 63    | 224476   | 46.569   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.140%  |
| 21) 2-Butanone-d5             | 4.620   | 46    | 213984   | 94.626   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 94.630%  |
| 24) Chloroform-d              | 5.067   | 84    | 241729   | 50.144   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.280% |
| 26) 1,2-Dichloroethane-d4     | 5.704   | 65    | 149672   | 50.622   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.240% |
| 32) Benzene-d6                | 5.729   | 84    | 482217   | 50.983   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.960% |
| 36) 1,2-Dichloropropane-d6    | 6.691   | 67    | 154798   | 53.292   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 106.580% |
| 41) Toluene-d8                | 7.900   | 98    | 455526   | 49.432   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.860%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 67033    | 45.551   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.100%  |
| 47) 2-Hexanone-d5             | 8.633   | 63    | 163261   | 96.012   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 96.010%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 241100   | 48.365   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 96.720%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 190820   | 48.958   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.920%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 154242   | 45.792   | ug/L   | 99       |
| 3) Chloromethane              | 1.524   | 50    | 170279   | 52.861   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607   | 62    | 169918   | 51.721   | ug/L   | 99       |
| 6) Bromomethane               | 1.855   | 94    | 97049    | 54.884   | ug/L   | 97       |
| 8) Chloroethane               | 1.935   | 64    | 105932   | 51.364   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.141   | 101   | 215739   | 46.569   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581   | 101   | 128779   | 48.090   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.581   | 96    | 122991   | 49.350   | ug/L   | 89       |
| 13) Acetone                   | 2.623   | 43    | 146477   | 69.604   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.797   | 76    | 334645   | 42.480   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.948   | 43    | 166663   | 49.666   | ug/L   | 97       |
| 16) Methylene chloride        | 3.048   | 84    | 152567   | 53.348   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.356   | 96    | 133614   | 49.706   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.366   | 73    | 417146   | 55.006   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.874   | 63    | 252390   | 54.441   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 153014   | 51.922   | ug/L   | 94       |
| 22) 2-Butanone                | 4.700   | 43    | 240677   | 88.783   | ug/L   | 96       |
| 23) Bromochloromethane        | 4.977   | 128   | 84641    | 52.311   | ug/L   | 96       |
| 25) Chloroform                | 5.089   | 83    | 263080   | 52.708   | ug/L   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050198

Quant Time: Apr 14 03:11:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 14 02:49:33 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 202387   | 52.484  | ug/L  | 98       |
| 29) Cyclohexane               | 5.392  | 56   | 196713   | 51.574  | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 5.318  | 97   | 218360   | 51.233  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.527  | 117  | 183695   | 47.729  | ug/L  | 100      |
| 33) Benzene                   | 5.774  | 78   | 582482   | 53.537  | ug/L  | 100      |
| 34) Trichloroethene           | 6.543  | 95   | 145777   | 51.106  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.765  | 83   | 207849   | 47.897  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.794  | 63   | 153900   | 55.642  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 196516   | 51.740  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 216978   | 50.559  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 446629   | 102.170 | ug/L  | 98       |
| 42) Toluene                   | 7.970  | 91   | 633043   | 53.027  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 214476   | 50.053  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 157142   | 53.570  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.556  | 164  | 123567   | 48.206  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.684  | 43   | 360970   | 95.996  | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.810  | 129  | 166011   | 48.862  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 168813   | 51.333  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.446  | 112  | 423014   | 52.187  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.572  | 91   | 651264   | 51.884  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.694  | 106  | 260807   | 52.952  | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 257273   | 53.221  | ug/L  | 99       |
| 55) Styrene                   | 10.115 | 104  | 438699   | 53.155  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 277314   | 50.427  | ug/L  | 99       |
| 59) Bromoform                 | 10.292 | 173  | 131670   | 47.002  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 214955   | 52.048  | ug/L  | 98       |
| 61) Isopropylbenzene          | 10.485 | 105  | 651586   | 55.033  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 342399   | 53.299  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.469 | 105  | 530443   | 54.360  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 337680   | 51.312  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 339872   | 49.860  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 341979   | 51.934  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 63515    | 48.011  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 255415   | 47.789  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 230803   | 49.302  | ug/L  | 100      |
| 71) Naphthalene               | 14.086 | 128  | 708645   | 50.773  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 234190   | 49.902  | ug/L  | 99       |

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

