

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081821\  
 Data File : VV021853.D  
 Acq On : 18 Aug 2021 09:47  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050307

Quant Time: Aug 19 01:11:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM081621WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 18 03:33:12 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.613          | 114  | 405090              | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 379820              | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249         | 152  | 205186              | 50.000  | ug/L   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 162616              | 51.350  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 102.700% |         |        |          |
| 7) Chloroethane-d5            | 1.558          | 69   | 124428              | 52.066  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 104.140% |         |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 241195              | 47.847  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 95.700%  |         |        |          |
| 21) 2-Butanone-d5             | 3.867          | 46   | 218043              | 110.705 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 110.710% |         |        |          |
| 24) Chloroform-d              | 4.342          | 84   | 290941              | 53.027  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 106.060% |         |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.027          | 65   | 168090              | 53.260  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 106.520% |         |        |          |
| 32) Benzene-d6                | 5.047          | 84   | 591472              | 54.153  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 108.300% |         |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.066          | 67   | 182511              | 53.659  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 107.320% |         |        |          |
| 41) Toluene-d8                | 7.313          | 98   | 552073              | 54.686  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 109.380% |         |        |          |
| 43) trans-1,3-Dichloroprop... | 7.619          | 79   | 86417               | 51.625  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 103.260% |         |        |          |
| 47) 2-Hexanone-d5             | 8.085          | 63   | 133506              | 119.760 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 119.760% |         |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 243726              | 57.824  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 115.640% |         |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 222429              | 52.381  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 104.760% |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127          | 85   | 160140              | 51.098  | ug/L   | 100      |
| 3) Chloromethane              | 1.240          | 50   | 166994              | 51.309  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.307          | 62   | 165581              | 51.666  | ug/L   | 99       |
| 6) Bromomethane               | 1.507          | 94   | 106209              | 55.136  | ug/L   | 100      |
| 8) Chloroethane               | 1.577          | 64   | 101260              | 52.874  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748          | 101  | 231789              | 52.786  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111          | 101  | 123141              | 48.981  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.114          | 96   | 113874              | 47.554  | ug/L   | 94       |
| 13) Acetone                   | 2.156          | 43   | 194054              | 119.741 | ug/L   | # 100    |
| 14) Carbon disulfide          | 2.288          | 76   | 416805              | 51.731  | ug/L   | 98       |
| 15) Methyl Acetate            | 2.423          | 43   | 169856              | 57.051  | ug/L   | 98       |
| 16) Methylene chloride        | 2.503          | 84   | 165135              | 49.578  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.754          | 96   | 152732              | 54.355  | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.764          | 73   | 468958              | 54.267  | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.185          | 63   | 268593              | 53.698  | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.908          | 96   | 166895              | 51.292  | ug/L   | 97       |
| 22) 2-Butanone                | 3.950          | 43   | 272592              | 115.497 | ug/L   | 98       |
| 23) Bromochloromethane        | 4.243          | 128  | 88317               | 51.160  | ug/L   | 98       |
| 25) Chloroform                | 4.371          | 83   | 275059              | 51.107  | ug/L   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050307

Quant Time: Aug 19 01:11:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM081621WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 18 03:33:12 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 194465   | 51.283  | ug/L  | 100      |
| 29) Cyclohexane               | 4.674  | 56   | 241209   | 51.564  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 241179   | 50.745  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.825  | 117  | 207945   | 50.564  | ug/L  | 100      |
| 33) Benzene                   | 5.095  | 78   | 607363   | 51.964  | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 164380   | 48.940  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.127  | 83   | 256203   | 52.284  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 152253   | 51.444  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 197815   | 50.712  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 236985   | 50.568  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 427115   | 104.914 | ug/L  | 100      |
| 42) Toluene                   | 7.387  | 91   | 653051   | 52.314  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 228894   | 51.827  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 155580   | 52.476  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.976  | 164  | 130031   | 52.092  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.137  | 43   | 345302   | 109.497 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.246  | 129  | 165984   | 50.707  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 166260   | 51.531  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.882  | 112  | 421221   | 51.680  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 696143   | 52.271  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 271301   | 52.563  | ug/L  | 100      |
| 54) o-Xylene                  | 9.545  | 106  | 269345   | 52.645  | ug/L  | 97       |
| 55) Styrene                   | 9.561  | 104  | 459823   | 53.670  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 228814   | 55.439  | ug/L  | 99       |
| 59) Bromoform                 | 9.731  | 173  | 117483   | 48.165  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.931  | 105  | 703483   | 51.139  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 190244   | 50.171  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 590557   | 51.157  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 605729   | 51.606  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 341314   | 51.235  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 336891   | 50.663  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 343974   | 51.184  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 47289    | 51.294  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 248559   | 51.473  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 210785   | 52.047  | ug/L  | 100      |
| 71) Naphthalene               | 13.503 | 128  | 626840   | 53.284  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 211336   | 51.945  | ug/L  | 99       |

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

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