

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040721\  
 Data File : VU042971.D  
 Acq On : 07 Apr 2021 09:37  
 Operator : SY/MD  
 Sample : VSTD00534  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005303

Manual Integrations  
 APPROVED

MMDadoda  
 4/9/2021 9:29:24 AM

Quant Time: Apr 08 08:25:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM040721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 08 08:24:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 6.260  | 114  | 169141   | 50.00 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.427  | 117  | 159479   | 50.00 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 81339    | 50.00 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65   | 4717     | 3.89  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.916  | 69   | 4222     | 4.93  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 63   | 11419    | 4.35  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.639  | 46   | 13128    | 9.93  | ug/L   | 0.01     |
| 24) Chloroform-d              | 5.073  | 84   | 12219    | 4.86  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65   | 10068    | 5.63  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.739  | 84   | 21575    | 4.78  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67   | 7491     | 4.94  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.906  | 98   | 21275    | 4.94  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79   | 3391     | 4.30  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.639  | 63   | 7676     | 8.76  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84   | 10961    | 4.71  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.202 | 152  | 8401     | 4.97  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.389  | 85   | 6958     | 4.97  | ug/L   | 95       |
| 3) Chloromethane              | 1.524  | 50   | 7186     | 5.46  | ug/L   | 97       |
| 5) Vinyl chloride             | 1.611  | 62   | 6497     | 5.07  | ug/L   | 95       |
| 6) Bromomethane               | 1.858  | 94   | 4327     | 5.78  | ug/L   | 84       |
| 8) Chloroethane               | 1.938  | 64   | 4651     | 6.48  | ug/L   | 90       |
| 9) Trichlorofluoromethane     | 2.144  | 101  | 10770    | 5.37  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101  | 5748     | 4.88  | ug/L   | 91       |
| 12) 1,1-Dichloroethene        | 2.588  | 96   | 5047     | 4.71  | ug/L   | 94       |
| 13) Acetone                   | 2.633  | 43   | 12538    | 10.86 | ug/L   | 99       |
| 14) Carbon disulfide          | 2.800  | 76   | 16157    | 4.93  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.958  | 43   | 9545     | 5.14  | ug/L   | 99       |
| 16) Methylene chloride        | 3.061  | 84   | 6278     | 5.13  | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 3.363  | 96   | 5709     | 5.08  | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 3.369  | 73   | 18441    | 4.59  | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.884  | 63   | 11332    | 4.87  | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 4.678  | 96   | 6076     | 4.78  | ug/L   | 96       |
| 22) 2-Butanone                | 4.713  | 43   | 15931    | 10.31 | ug/L   | 99       |
| 23) Bromochloromethane        | 4.980  | 128  | 3322     | 4.94  | ug/L   | 81       |
| 25) Chloroform                | 5.096  | 83   | 11748    | 4.94  | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 10530    | 5.00  | ug/L   | 100      |
| 29) Cyclohexane               | 5.398  | 56   | 10235    | 4.84  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 5.327  | 97   | 10632    | 4.93  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 8792     | 4.70  | ug/L   | 95       |
| 33) Benzene                   | 5.784  | 78   | 22746    | 4.69  | ug/L   | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 6400m    | 5.00  | ug/L   |          |
| 35) Methylcyclohexane         | 6.771  | 83   | 9550     | 4.84  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.803  | 63   | 6542     | 4.84  | ug/L # | 96       |
| 38) Bromodichloromethane      | 7.115  | 83   | 8668     | 4.74  | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 7.613  | 75   | 9062     | 4.32  | ug/L   | 89       |
| 40) 4-Methyl-2-pentanone      | 7.800  | 43   | 25702    | 9.39  | ug/L   | 98       |
| 42) Toluene                   | 7.977  | 91   | 24711    | 4.72  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.221  | 75   | 9243     | 4.44  | ug/L   | 88       |

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 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 08 08:24:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 8.411  | 97   | 5872     | 4.69 | ug/L   | 92       |
| 46) Tetrachloroethene         | 8.562  | 164  | 5144     | 5.10 | ug/L   | 97       |
| 48) 2-Hexanone                | 8.691  | 43   | 21442    | 9.64 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.819  | 129  | 6669     | 4.58 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.932  | 107  | 6771     | 4.84 | ug/L # | 98       |
| 51) Chlorobenzene             | 9.456  | 112  | 16217    | 4.90 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.578  | 91   | 26818    | 4.60 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.700  | 106  | 9459     | 4.34 | ug/L   | 99       |
| 54) o-xylene                  | 10.109 | 106  | 9718     | 4.50 | ug/L   | 100      |
| 55) Styrene                   | 10.125 | 104  | 15699    | 4.24 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 11075    | 4.80 | ug/L   | 99       |
| 59) Bromoform                 | 10.301 | 173  | 5593     | 4.92 | ug/L # | 89       |
| 60) 1,2,3-Trichloropropane    | 10.832 | 75   | 9610     | 5.32 | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.491 | 105  | 26156    | 4.83 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.096 | 105  | 21404    | 4.57 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.478 | 105  | 20272    | 4.27 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.755 | 146  | 13203    | 5.14 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 11.845 | 146  | 12740    | 4.86 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 12735    | 4.84 | ug/L   | 91       |
| 68) 1,2-Dibromo-3-chloropr... | 13.006 | 75   | 2905     | 4.88 | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 9462     | 4.81 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 6987     | 4.29 | ug/L   | 94       |
| 71) Naphthalene               | 14.096 | 128  | 15189    | 2.98 | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.340 | 180  | 6168     | 3.74 | ug/L   | 92       |

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

