

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\  
 Data File : VU036451.D  
 Acq On : 14 Jan 2020 17:24  
 Operator : JC/MD  
 Sample : VSTD05035  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05035

Quant Time: Jan 15 00:04:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM011420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 15 00:01:44 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 510648   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 488994   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 221553   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 159699 | 41.44 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 138681 | 42.40 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 316093 | 46.77 | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 4.68  | 46  | 283875 | 96.09 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.11  | 84  | 332195 | 48.01 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.75  | 65  | 219127 | 47.62 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.77  | 84  | 644344 | 47.55 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.73  | 67  | 208869 | 46.07 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.93  | 98  | 607082 | 46.81 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.21  | 79  | 111773 | 45.54 | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 8.67  | 63  | 223172 | 94.80 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78 | 84  | 317262 | 46.22 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.21 | 152 | 221130 | 47.51 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 239502 | 56.227 | ug/L 100 |
| 3) Chloromethane               | 1.54 | 50  | 223807 | 57.876 | ug/L 100 |
| 5) Vinyl chloride              | 1.62 | 62  | 216676 | 49.636 | ug/L 100 |
| 6) Bromomethane                | 1.87 | 94  | 130865 | 59.394 | ug/L 100 |
| 8) Chloroethane                | 1.95 | 64  | 125361 | 48.200 | ug/L 100 |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 293801 | 48.290 | ug/L 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 157980 | 51.757 | ug/L 100 |
| 12) 1,1-Dichloroethene         | 2.61 | 96  | 154937 | 51.475 | ug/L 100 |
| 13) Acetone                    | 2.66 | 43  | 297920 | 95.726 | ug/L 100 |
| 14) Carbon disulfide           | 2.82 | 76  | 490308 | 52.334 | ug/L 100 |
| 15) Methyl Acetate             | 2.99 | 43  | 214899 | 51.215 | ug/L 100 |
| 16) Methylene chloride         | 3.08 | 84  | 188782 | 51.343 | ug/L 100 |
| 17) trans-1,2-Dichloroethene   | 3.39 | 96  | 165592 | 51.280 | ug/L 100 |
| 18) Methyl tert-butyl Ether    | 3.41 | 73  | 581201 | 49.629 | ug/L 100 |
| 19) 1,1-Dichloroethane         | 3.92 | 63  | 324055 | 50.066 | ug/L 100 |
| 20) cis-1,2-Dichloroethene     | 4.72 | 96  | 196524 | 50.250 | ug/L 100 |
| 22) 2-Butanone                 | 4.76 | 43  | 356227 | 97.663 | ug/L 100 |
| 23) Bromochloromethane         | 5.02 | 128 | 93193  | 49.962 | ug/L 100 |
| 25) Chloroform                 | 5.13 | 83  | 336457 | 48.942 | ug/L 100 |
| 27) 1,2-Dichloroethane         | 5.84 | 62  | 271133 | 50.648 | ug/L 100 |
| 29) Cyclohexane                | 5.43 | 56  | 299156 | 51.896 | ug/L 100 |
| 30) 1,1,1-Trichloroethane      | 5.36 | 97  | 300707 | 49.736 | ug/L 100 |
| 31) Carbon tetrachloride       | 5.57 | 117 | 263566 | 50.174 | ug/L 100 |
| 33) Benzene                    | 5.82 | 78  | 727452 | 50.095 | ug/L 100 |
| 34) Trichloroethene            | 6.58 | 95  | 195409 | 51.825 | ug/L 100 |
| 35) Methylcyclohexane          | 6.80 | 83  | 300132 | 50.175 | ug/L 100 |
| 37) 1,2-Dichloropropane        | 6.83 | 63  | 190017 | 48.677 | ug/L 100 |
| 38) Bromodichloromethane       | 7.14 | 83  | 264944 | 48.167 | ug/L 100 |
| 39) cis-1,3-Dichloropropene    | 7.64 | 75  | 317733 | 48.320 | ug/L 100 |
| 40) 4-Methyl-2-pentanone       | 7.83 | 43  | 605951 | 91.988 | ug/L 100 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\  
 Data File : VU036451.D  
 Acq On : 14 Jan 2020 17:24  
 Operator : JC/MD  
 Sample : VSTD05035  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05035

Quant Time: Jan 15 00:04:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM011420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 15 00:01:44 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                    | 8.00  | 91   | 791657   | 49.511 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 8.24  | 75   | 294372   | 48.270 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane      | 8.43  | 97   | 181273   | 49.685 | ug/L  | 100      |
| 46) Tetrachloroethene          | 8.58  | 164  | 133234   | 49.537 | ug/L  | 100      |
| 48) 2-Hexanone                 | 8.72  | 43   | 482026   | 95.214 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.84  | 129  | 207587   | 46.775 | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 8.95  | 107  | 209774   | 49.454 | ug/L  | 100      |
| 51) Chlorobenzene              | 9.47  | 112  | 493532   | 49.061 | ug/L  | 100      |
| 52) Ethylbenzene               | 9.60  | 91   | 881624   | 48.653 | ug/L  | 100      |
| 53) m,p-Xylene                 | 9.72  | 106  | 327804   | 48.801 | ug/L  | 100      |
| 54) o-xylene                   | 10.12 | 106  | 326548   | 48.360 | ug/L  | 100      |
| 55) Styrene                    | 10.14 | 104  | 547199   | 48.161 | ug/L  | 100      |
| 56) Isopropylbenzene           | 10.51 | 105  | 853186   | 48.558 | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.81 | 83   | 325726   | 47.370 | ug/L  | 100      |
| 59) 1,2,3-Trichloropropane     | 10.85 | 75   | 262839   | 47.865 | ug/L  | 100      |
| 61) Bromoform                  | 10.32 | 173  | 149511   | 45.477 | ug/L  | 100      |
| 62) 1,3-Dichlorobenzene        | 11.77 | 146  | 349667   | 48.392 | ug/L  | 100      |
| 63) 1,4-Dichlorobenzene        | 11.86 | 146  | 355726   | 49.419 | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene        | 12.23 | 146  | 351929   | 48.652 | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 13.02 | 75   | 75438    | 45.117 | ug/L  | 100      |
| 67) 1,3,5-Trichlorobenzene     | 13.24 | 180  | 216261   | 45.866 | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene     | 13.86 | 180  | 162537   | 45.661 | ug/L  | 100      |
| 69) Naphthalene                | 14.10 | 128  | 519313   | 43.087 | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 14.35 | 180  | 161472   | 43.607 | ug/L  | 100      |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\  
Data File : VU036451.D  
Acq On : 14 Jan 2020 17:24  
Operator : JC/MD  
Sample : VSTD05035  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05035

Quant Time: Jan 15 00:04:42 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM011420WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jan 15 00:01:44 2020  
Response via : Initial Calibration

