

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\  
 Data File : VU035205.D  
 Acq On : 17 Oct 2019 11:11  
 Operator : JC/SP  
 Sample : VSTD02004  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD02004

Quant Time: Oct 18 02:14:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 18 02:07:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 440989   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 419324   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 217484   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |      |      |
|--------------------------------|-------|-----|---------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 465111  | 17.51  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 472015  | 19.31  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.60  | 63  | 929084  | 17.05  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.71  | 46  | 1322688 | 168.93 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.11  | 84  | 862304  | 17.40  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.75  | 65  | 456766  | 15.67  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.77  | 84  | 1666966 | 16.77  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.74  | 67  | 528492  | 16.05  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.93  | 98  | 1592427 | 16.68  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.22  | 79  | 254488  | 20.04  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.68  | 63  | 1184432 | 201.46 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79 | 84  | 471530  | 16.84  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.22 | 152 | 632964  | 16.97  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |              | Qvalue |
|--------------------------------|------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 822119  | 20.613 ug/L  | 99     |
| 3) Chloromethane               | 1.53 | 50  | 784161  | 18.295 ug/L  | 99     |
| 5) Vinyl chloride              | 1.62 | 62  | 847417  | 19.956 ug/L  | 99     |
| 6) Bromomethane                | 1.87 | 94  | 561206  | 23.333 ug/L  | 99     |
| 8) Chloroethane                | 1.95 | 64  | 596144  | 23.292 ug/L  | 100    |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 1106817 | 21.108 ug/L  | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 638620  | 21.030 ug/L  | 98     |
| 12) 1,1-Dichloroethene         | 2.61 | 96  | 611022  | 21.568 ug/L  | 87     |
| 13) Acetone                    | 2.69 | 43  | 1126440 | 182.130 ug/L | 100    |
| 14) Carbon disulfide           | 2.82 | 76  | 1934801 | 20.715 ug/L  | 99     |
| 15) Methyl Acetate             | 3.00 | 43  | 275119  | 17.047 ug/L  | 100    |
| 16) Methylene chloride         | 3.09 | 84  | 670503  | 19.224 ug/L  | 97     |
| 17) Methyl tert-butyl Ether    | 3.43 | 73  | 1673020 | 21.514 ug/L  | 100    |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 669251  | 21.886 ug/L  | 96     |
| 19) 1,1-Dichloroethane         | 3.92 | 63  | 1219510 | 20.503 ug/L  | 100    |
| 21) 2-Butanone                 | 4.79 | 43  | 1913521 | 214.946 ug/L | 100    |
| 22) cis-1,2-Dichloroethene     | 4.72 | 96  | 753342  | 22.098 ug/L  | 100    |
| 23) Bromochloromethane         | 5.03 | 128 | 320350  | 22.511 ug/L  | 98     |
| 25) Chloroform                 | 5.14 | 83  | 1231539 | 18.522 ug/L  | 100    |
| 27) 1,2-Dichloroethane         | 5.84 | 62  | 803017  | 20.397 ug/L  | 98     |
| 29) 1,1,1-Trichloroethane      | 5.37 | 97  | 1076386 | 22.558 ug/L  | 99     |
| 30) Cyclohexane                | 5.43 | 56  | 1145254 | 21.946 ug/L  | 99     |
| 31) Carbon tetrachloride       | 5.57 | 117 | 982249  | 23.671 ug/L  | 99     |
| 33) Benzene                    | 5.82 | 78  | 2691582 | 21.286 ug/L  | 100    |
| 34) Trichloroethene            | 6.58 | 95  | 729152  | 22.265 ug/L  | 98     |
| 35) Methylcyclohexane          | 6.80 | 83  | 1226619 | 22.949 ug/L  | 99     |
| 37) 1,2-Dichloropropane        | 6.83 | 63  | 687066  | 20.402 ug/L  | 100    |
| 38) Bromodichloromethane       | 7.15 | 83  | 930841  | 22.942 ug/L  | 98     |
| 39) cis-1,3-Dichloropropene    | 7.65 | 75  | 1176489 | 24.710 ug/L  | 98     |
| 40) 4-Methyl-2-pentanone       | 7.85 | 43  | 4620812 | 214.468 ug/L | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\  
 Data File : VU035205.D  
 Acq On : 17 Oct 2019 11:11  
 Operator : JC/SP  
 Sample : VSTD02004  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD02004

Quant Time: Oct 18 02:14:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 18 02:07:36 2019  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|---------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                     | 8.01  | 91   | 2973253  | 22.436  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene   | 8.25  | 75   | 955937   | 25.710  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane       | 8.44  | 97   | 506913   | 22.170  | ug/L  | 99       |
| 47) Tetrachloroethene           | 8.59  | 164  | 604684   | 22.648  | ug/L  | 99       |
| 48) 2-Hexanone                  | 8.74  | 43   | 3300927  | 222.596 | ug/L  | 99       |
| 49) Dibromochloromethane        | 8.85  | 129  | 665888   | 24.809  | ug/L  | 99       |
| 50) 1,2-Dibromoethane           | 8.96  | 107  | 514831   | 23.378  | ug/L  | 100      |
| 51) Chlorobenzene               | 9.48  | 112  | 1944887  | 22.544  | ug/L  | 98       |
| 52) Ethylbenzene                | 9.60  | 91   | 3432018  | 23.247  | ug/L  | 99       |
| 53) m,p-Xylene                  | 9.73  | 106  | 1298936  | 23.730  | ug/L  | 100      |
| 54) o-Xylene                    | 10.13 | 106  | 1272908  | 23.792  | ug/L  | 98       |
| 55) Styrene                     | 10.15 | 104  | 2158957  | 24.878  | ug/L  | 100      |
| 56) Isopropylbenzene            | 10.51 | 105  | 3409411  | 23.810  | ug/L  | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.81 | 83   | 673193   | 21.866  | ug/L  | 97       |
| 59) 1,2,3-Trichloropropane      | 10.85 | 75   | 477703   | 21.503  | ug/L  | 98       |
| 61) Bromoform                   | 10.32 | 173  | 418408   | 26.133  | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene         | 11.77 | 146  | 1577029  | 23.154  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene         | 11.86 | 146  | 1550260  | 22.606  | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene         | 12.24 | 146  | 1472787  | 22.542  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan  | 13.02 | 75   | 109908   | 26.339  | ug/L  | 97       |
| 67) 1,3,5-Trichlorobenzene      | 13.24 | 180  | 1135296  | 25.020  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene      | 13.87 | 180  | 952413   | 28.975  | ug/L  | 100      |
| 69) Naphthalene                 | 14.11 | 128  | 1399412  | 28.455  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene      | 14.36 | 180  | 832378   | 26.166  | ug/L  | 99       |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\  
Data File : VU035205.D  
Acq On : 17 Oct 2019 11:11  
Operator : JC/SP  
Sample : VSTD02004  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD02004

Quant Time: Oct 18 02:14:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 18 02:07:36 2019  
Response via : Initial Calibration

