

Data File : VU026825.D  
Acq On : 17 Sep 2018 16:46  
Operator : MD/SY  
Sample : VSTD00549  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00549

Quant Time: Sep 18 01:00:42 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091718WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 18 00:50:30 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 258628   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 247201   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 109850   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 8568  | 4.48 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 7292  | 4.45 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.27  | 63  | 16943 | 4.68 | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 4.18  | 46  | 11068 | 8.72 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.65  | 84  | 16666 | 4.70 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 10518 | 4.71 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.34  | 84  | 30236 | 4.36 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.33  | 67  | 10153 | 4.55 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.57  | 98  | 25432 | 4.06 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.85  | 79  | 4095  | 4.11 | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 8.31  | 63  | 5661  | 6.45 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84  | 13767 | 4.42 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.86 | 152 | 10946 | 4.79 | ug/L | 0.00 |

#### Target Compounds

|                                |      |     |       |             | Qvalue |
|--------------------------------|------|-----|-------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 12556 | 5.137 ug/L  | 99     |
| 3) Chloromethane               | 1.33 | 50  | 12229 | 4.905 ug/L  | 99     |
| 5) Vinyl chloride              | 1.40 | 62  | 11969 | 4.933 ug/L  | 99     |
| 6) Bromomethane                | 1.63 | 94  | 5937  | 4.954 ug/L  | 100    |
| 8) Chloroethane                | 1.70 | 64  | 7737  | 5.088 ug/L  | 99     |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 14964 | 4.964 ug/L  | 95     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 9097  | 5.094 ug/L  | 98     |
| 12) 1,1-Dichloroethene         | 2.28 | 96  | 8230  | 4.907 ug/L  | 99     |
| 13) Acetone                    | 2.32 | 43  | 14714 | 11.791 ug/L | 97     |
| 14) Carbon disulfide           | 2.48 | 76  | 29691 | 5.130 ug/L  | 98     |
| 15) Methyl Acetate             | 2.62 | 43  | 11150 | 5.157 ug/L  | 96     |
| 16) Methylene chloride         | 2.70 | 84  | 11161 | 5.235 ug/L  | 99     |
| 17) trans-1,2-Dichloroethene   | 2.98 | 96  | 9396  | 5.087 ug/L  | 98     |
| 18) Methyl tert-butyl Ether    | 3.00 | 73  | 25513 | 4.723 ug/L  | 99     |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 17917 | 5.029 ug/L  | 98     |
| 20) cis-1,2-Dichloroethene     | 4.23 | 96  | 9576  | 4.714 ug/L  | 93     |
| 22) 2-Butanone                 | 4.27 | 43  | 15342 | 9.970 ug/L  | 94     |
| 23) Bromochloromethane         | 4.55 | 128 | 5666  | 5.165 ug/L  | 95     |
| 25) Chloroform                 | 4.67 | 83  | 18117 | 5.021 ug/L  | 96     |
| 27) 1,2-Dichloroethane         | 5.41 | 62  | 14234 | 5.055 ug/L  | 99     |
| 29) Cyclohexane                | 5.00 | 56  | 12544 | 4.370 ug/L  | 99     |
| 30) 1,1,1-Trichloroethane      | 4.91 | 97  | 14940 | 5.080 ug/L  | 99     |
| 31) Carbon tetrachloride       | 5.14 | 117 | 13075 | 4.961 ug/L  | 100    |
| 33) Benzene                    | 5.39 | 78  | 37714 | 4.921 ug/L  | 100    |
| 34) Trichloroethene            | 6.19 | 95  | 9231  | 5.019 ug/L  | 99     |
| 35) Methylcyclohexane          | 6.42 | 83  | 13179 | 4.396 ug/L  | 93     |
| 37) 1,2-Dichloropropane        | 6.44 | 63  | 10349 | 4.916 ug/L  | 99     |
| 38) Bromodichloromethane       | 6.76 | 83  | 12881 | 4.934 ug/L  | 99     |
| 39) cis-1,3-Dichloropropene    | 7.27 | 75  | 13390 | 4.502 ug/L  | 99     |
| 40) 4-Methyl-2-pentanone       | 7.46 | 43  | 21478 | 8.586 ug/L  | 96     |

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ClientSampleId :  
VSTD00549

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Quant Title : VOC Analysis  
QLast Update : Tue Sep 18 00:50:30 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.64  | 91   | 35048    | 4.519 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 12500    | 4.489 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 9616     | 5.010 | ug/L   | 98       |
| 46) Tetrachloroethene          | 8.23  | 164  | 8027     | 4.923 | ug/L   | 98       |
| 48) 2-Hexanone                 | 8.37  | 43   | 17838    | 8.840 | ug/L   | 92       |
| 49) Dibromochloromethane       | 8.48  | 129  | 10420    | 4.796 | ug/L   | 99       |
| 50) 1,2-Dibromoethane          | 8.59  | 107  | 9683     | 4.839 | ug/L # | 98       |
| 51) Chlorobenzene              | 9.12  | 112  | 25998    | 4.940 | ug/L   | 98       |
| 52) Ethylbenzene               | 9.25  | 91   | 34634    | 4.263 | ug/L   | 100      |
| 53) m,p-Xylene                 | 9.38  | 106  | 12826    | 4.107 | ug/L   | 96       |
| 54) o-xylene                   | 9.78  | 106  | 12104    | 3.978 | ug/L   | 99       |
| 55) Styrene                    | 9.79  | 104  | 19971    | 3.801 | ug/L   | 100      |
| 56) Isopropylbenzene           | 10.17 | 105  | 30560    | 3.931 | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 15704    | 4.864 | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane     | 10.49 | 75   | 12362    | 4.902 | ug/L   | 99       |
| 61) Bromoform                  | 9.96  | 173  | 7669     | 5.309 | ug/L   | 98       |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146  | 16603    | 4.958 | ug/L   | 97       |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 19714    | 5.346 | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 18675    | 5.036 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75   | 2919     | 5.189 | ug/L   | 99       |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 12423    | 4.794 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 13.51 | 180  | 10566    | 4.732 | ug/L   | 97       |
| 69) Naphthalene                | 13.75 | 128  | 25264    | 3.840 | ug/L   | 98       |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 11302    | 4.596 | ug/L   | 97       |

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

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