

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\  
 Data File : VU037944.D  
 Acq On : 30 Apr 2020 10:17  
 Operator : JC/MD  
 Sample : VSTD01035  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01035

Quant Time: Apr 30 11:01:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM043020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 30 10:59:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 703395   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 679267   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 305210   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 56510  | 9.19  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 47421  | 9.96  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 93678  | 9.42  | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 4.66  | 46  | 90726  | 18.63 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.10  | 84  | 89904  | 9.60  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.74  | 65  | 62227  | 9.60  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.76  | 84  | 189765 | 9.88  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.72  | 67  | 63045  | 9.81  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.92  | 98  | 174335 | 9.87  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.20  | 79  | 26765  | 8.09  | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 8.65  | 63  | 52588  | 15.04 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84  | 86108  | 9.63  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.20 | 152 | 60262  | 10.15 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 51555  | 8.884  | ug/L 100 |
| 3) Chloromethane               | 1.54 | 50  | 68923  | 10.897 | ug/L 99  |
| 5) Vinyl chloride              | 1.62 | 62  | 68550  | 9.823  | ug/L 97  |
| 6) Bromomethane                | 1.87 | 94  | 30184  | 10.453 | ug/L 99  |
| 8) Chloroethane                | 1.95 | 64  | 42406  | 10.815 | ug/L 98  |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 69983  | 9.432  | ug/L 98  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 42320  | 9.788  | ug/L 97  |
| 12) 1,1-Dichloroethene         | 2.60 | 96  | 45381  | 10.627 | ug/L 97  |
| 13) Acetone                    | 2.65 | 43  | 63844  | 21.974 | ug/L 98  |
| 14) Carbon disulfide           | 2.82 | 76  | 143662 | 9.407  | ug/L 100 |
| 15) Methyl Acetate             | 2.98 | 43  | 68365  | 9.735  | ug/L 100 |
| 16) Methylene chloride         | 3.08 | 84  | 54209  | 10.683 | ug/L 98  |
| 17) trans-1,2-Dichloroethene   | 3.38 | 96  | 48942  | 10.250 | ug/L 97  |
| 18) Methyl tert-butyl Ether    | 3.40 | 73  | 159002 | 9.667  | ug/L 99  |
| 19) 1,1-Dichloroethane         | 3.91 | 63  | 98409  | 10.224 | ug/L 99  |
| 20) cis-1,2-Dichloroethene     | 4.71 | 96  | 53590  | 10.251 | ug/L 99  |
| 22) 2-Butanone                 | 4.75 | 43  | 102720 | 20.191 | ug/L 99  |
| 23) Bromochloromethane         | 5.02 | 128 | 25088  | 9.931  | ug/L 97  |
| 25) Chloroform                 | 5.12 | 83  | 93774  | 10.412 | ug/L 99  |
| 27) 1,2-Dichloroethane         | 5.83 | 62  | 78550  | 10.184 | ug/L 98  |
| 29) Cyclohexane                | 5.42 | 56  | 85888  | 9.038  | ug/L 99  |
| 30) 1,1,1-Trichloroethane      | 5.36 | 97  | 74631  | 9.838  | ug/L 100 |
| 31) Carbon tetrachloride       | 5.56 | 117 | 57490  | 9.375  | ug/L 96  |
| 33) Benzene                    | 5.81 | 78  | 216303 | 10.491 | ug/L 100 |
| 34) Trichloroethene            | 6.57 | 95  | 51397  | 10.163 | ug/L 96  |
| 35) Methylcyclohexane          | 6.79 | 83  | 78658  | 8.883  | ug/L 97  |
| 37) 1,2-Dichloropropane        | 6.82 | 63  | 57025  | 10.127 | ug/L 99  |
| 38) Bromodichloromethane       | 7.13 | 83  | 67850  | 9.973  | ug/L 99  |
| 39) cis-1,3-Dichloropropene    | 7.63 | 75  | 81938  | 9.088  | ug/L 99  |
| 40) 4-Methyl-2-pentanone       | 7.82 | 43  | 180637 | 18.446 | ug/L 99  |

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 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01035

Quant Time: Apr 30 11:01:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM043020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 30 10:59:12 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 42) Toluene                    | 7.99  | 91   | 227423   | 10.521 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene  | 8.23  | 75   | 76225    | 8.759  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane      | 8.42  | 97   | 51979    | 10.581 | ug/L   | 97       |
| 46) Tetrachloroethene          | 8.57  | 164  | 37205    | 10.065 | ug/L   | 89       |
| 48) 2-Hexanone                 | 8.71  | 43   | 150064   | 19.381 | ug/L   | 97       |
| 49) Dibromochloromethane       | 8.83  | 129  | 46698    | 9.104  | ug/L   | 97       |
| 50) 1,2-Dibromoethane          | 8.94  | 107  | 54337    | 10.212 | ug/L # | 97       |
| 51) Chlorobenzene              | 9.47  | 112  | 137627   | 10.236 | ug/L   | 95       |
| 52) Ethylbenzene               | 9.59  | 91   | 244291   | 10.092 | ug/L   | 100      |
| 53) m,p-Xylene                 | 9.71  | 106  | 91482    | 10.037 | ug/L   | 99       |
| 54) o-xylene                   | 10.12 | 106  | 91507    | 10.266 | ug/L   | 100      |
| 55) Styrene                    | 10.13 | 104  | 147662   | 9.633  | ug/L   | 99       |
| 56) Isopropylbenzene           | 10.50 | 105  | 231449   | 9.811  | ug/L   | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.80 | 83   | 88200    | 10.096 | ug/L   | 97       |
| 59) 1,2,3-Trichloropropane     | 10.84 | 75   | 79587    | 10.521 | ug/L   | 100      |
| 61) Bromoform                  | 10.31 | 173  | 31215    | 9.088  | ug/L   | 97       |
| 62) 1,3-Dichlorobenzene        | 11.76 | 146  | 97885    | 10.243 | ug/L   | 99       |
| 63) 1,4-Dichlorobenzene        | 11.85 | 146  | 98172    | 10.178 | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene        | 12.22 | 146  | 100901   | 10.866 | ug/L   | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 13.01 | 75   | 20165    | 9.744  | ug/L   | 99       |
| 67) 1,3,5-Trichlorobenzene     | 13.24 | 180  | 64582    | 9.299  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.86 | 180  | 60125    | 8.902  | ug/L   | 99       |
| 69) Naphthalene                | 14.11 | 128  | 237750   | 9.816  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 14.36 | 180  | 61529    | 9.225  | ug/L   | 99       |
| -----                          |       |      |          |        |        |          |

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

