

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\  
 Data File : VV018774.D  
 Acq On : 08 Oct 2020 20:17  
 Operator : SY/MD  
 Sample : VSTD01061  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01061

Quant Time: Oct 08 23:37:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 08 23:30:37 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 339242   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 332621   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 173688   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 31972  | 14.67 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 26850  | 15.00 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.12  | 63  | 61010  | 13.99 | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 3.91  | 46  | 42641  | 27.69 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.38  | 84  | 59281  | 13.35 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.06  | 65  | 37919  | 13.21 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.08  | 84  | 104506 | 11.90 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.10  | 67  | 33407  | 12.12 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.34  | 98  | 92616  | 11.31 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.65  | 79  | 15915  | 11.14 | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 8.11  | 63  | 19234  | 19.20 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84  | 36751  | 10.55 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.65 | 152 | 37946  | 11.09 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 22435  | 10.021 | ug/L 98  |
| 3) Chloromethane               | 1.25 | 50  | 30877  | 12.455 | ug/L 99  |
| 5) Vinyl chloride              | 1.32 | 62  | 30846  | 11.789 | ug/L 96  |
| 6) Bromomethane                | 1.53 | 94  | 18652  | 10.787 | ug/L 96  |
| 8) Chloroethane                | 1.59 | 64  | 21469  | 13.172 | ug/L 99  |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 46287  | 11.754 | ug/L 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 25209  | 11.406 | ug/L 97  |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 23963  | 11.288 | ug/L 92  |
| 13) Acetone                    | 2.18 | 43  | 34700  | 26.673 | ug/L 100 |
| 14) Carbon disulfide           | 2.31 | 76  | 71984  | 10.702 | ug/L 99  |
| 15) Methyl Acetate             | 2.45 | 43  | 34196  | 13.550 | ug/L 100 |
| 16) Methylene chloride         | 2.52 | 84  | 32405  | 12.755 | ug/L 97  |
| 17) trans-1,2-Dichloroethene   | 2.78 | 96  | 27250  | 11.617 | ug/L 96  |
| 18) Methyl tert-butyl Ether    | 2.78 | 73  | 91947  | 12.604 | ug/L 99  |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 56865  | 13.430 | ug/L 98  |
| 20) cis-1,2-Dichloroethene     | 3.94 | 96  | 29559  | 11.792 | ug/L 97  |
| 22) 2-Butanone                 | 4.00 | 43  | 41937  | 26.301 | ug/L 93  |
| 23) Bromochloromethane         | 4.28 | 128 | 15383  | 11.273 | ug/L 98  |
| 25) Chloroform                 | 4.41 | 83  | 56001  | 12.601 | ug/L 98  |
| 27) 1,2-Dichloroethane         | 5.16 | 62  | 41007  | 11.715 | ug/L 99  |
| 29) Cyclohexane                | 4.70 | 56  | 38906  | 10.312 | ug/L 99  |
| 30) 1,1,1-Trichloroethane      | 4.63 | 97  | 44463  | 10.835 | ug/L 99  |
| 31) Carbon tetrachloride       | 4.86 | 117 | 37617  | 10.296 | ug/L 98  |
| 33) Benzene                    | 5.13 | 78  | 105125 | 10.791 | ug/L 100 |
| 34) Trichloroethene            | 5.94 | 95  | 31549  | 11.016 | ug/L 96  |
| 35) Methylcyclohexane          | 6.15 | 83  | 34962  | 9.197  | ug/L 98  |
| 37) 1,2-Dichloropropane        | 6.20 | 63  | 29190  | 11.367 | ug/L 99  |
| 38) Bromodichloromethane       | 6.53 | 83  | 37737  | 11.233 | ug/L 98  |
| 39) cis-1,3-Dichloropropene    | 7.05 | 75  | 38682  | 9.928  | ug/L 97  |
| 40) 4-Methyl-2-pentanone       | 7.25 | 43  | 75240  | 23.119 | ug/L 99  |

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 Sample : VSTD01061  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01061

Quant Time: Oct 08 23:37:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 08 23:30:37 2020  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                     | 7.41  | 91   | 110326   | 10.531 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene   | 7.67  | 75   | 41755    | 10.836 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane       | 7.86  | 97   | 26795    | 10.899 | ug/L  | 96       |
| 46) Tetrachloroethene           | 8.00  | 164  | 23615    | 10.533 | ug/L  | 99       |
| 48) 2-Hexanone                  | 8.16  | 43   | 58982    | 23.203 | ug/L  | 97       |
| 49) Dibromochloromethane        | 8.27  | 129  | 28878    | 10.373 | ug/L  | 99       |
| 50) 1,2-Dibromoethane           | 8.38  | 107  | 27786    | 10.717 | ug/L  | 96       |
| 51) Chlorobenzene               | 8.90  | 112  | 74287    | 10.567 | ug/L  | 99       |
| 52) Ethylbenzene                | 9.03  | 91   | 120537   | 10.288 | ug/L  | 100      |
| 53) m,p-Xylene                  | 9.16  | 106  | 43627    | 9.701  | ug/L  | 98       |
| 54) o-xylene                    | 9.56  | 106  | 41481    | 9.768  | ug/L  | 99       |
| 55) Styrene                     | 9.58  | 104  | 73615    | 9.906  | ug/L  | 99       |
| 56) Isopropylbenzene            | 9.95  | 105  | 111577   | 9.595  | ug/L  | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.26 | 83   | 34615    | 9.979  | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane      | 10.30 | 75   | 35137    | 11.471 | ug/L  | 99       |
| 61) Bromoform                   | 9.75  | 173  | 18878    | 9.579  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene         | 11.20 | 146  | 58777    | 10.582 | ug/L  | 98       |
| 63) 1,4-Dichlorobenzene         | 11.29 | 146  | 59773    | 10.441 | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene         | 11.67 | 146  | 59081    | 10.703 | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan  | 12.45 | 75   | 7490     | 10.087 | ug/L  | 96       |
| 67) 1,3,5-Trichlorobenzene      | 12.67 | 180  | 38210    | 10.041 | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene      | 13.28 | 180  | 33732    | 9.567  | ug/L  | 99       |
| 69) Naphthalene                 | 13.53 | 128  | 87528    | 8.686  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene      | 13.77 | 180  | 34640    | 9.753  | ug/L  | 99       |

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

