

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112320\  
 Data File : VV019419.D  
 Acq On : 23 Nov 2020 13:14  
 Operator : SY/MD  
 Sample : VSTD05066  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05066

Quant Time: Nov 23 13:58:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Nov 23 12:45:37 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 374280   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 384756   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 217498   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |       |
|--------------------------------|-------|-----|--------|--------|------|-------|
| 4) Vinyl Chloride-d3           | 1.31  | 65  | 182953 | 64.85  | ug/L | 0.00  |
| 7) Chloroethane-d5             | 1.57  | 69  | 148058 | 64.58  | ug/L | 0.00  |
| 11) 1,1-Dichloroethene-d2      | 2.12  | 63  | 327312 | 56.38  | ug/L | 0.00  |
| 21) 2-Butanone-d5              | 3.89  | 46  | 234356 | 161.08 | ug/L | -0.02 |
| 24) Chloroform-d               | 4.37  | 84  | 299689 | 55.54  | ug/L | 0.00  |
| 26) 1,2-Dichloroethane-d4      | 5.05  | 65  | 195983 | 52.65  | ug/L | 0.00  |
| 32) Benzene-d6                 | 5.07  | 84  | 572820 | 57.73  | ug/L | 0.00  |
| 36) 1,2-Dichloropropane-d6     | 6.09  | 67  | 188669 | 68.50  | ug/L | 0.00  |
| 41) Toluene-d8                 | 7.33  | 98  | 527129 | 54.35  | ug/L | 0.00  |
| 43) trans-1,3-Dichloropropene- | 7.64  | 79  | 94076  | 53.52  | ug/L | 0.00  |
| 47) 2-Hexanone-d5              | 8.10  | 63  | 161285 | 156.14 | ug/L | 0.00  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23 | 84  | 248089 | 65.95  | ug/L | 0.00  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65 | 152 | 207108 | 49.85  | ug/L | 0.00  |

## Target Compounds

|                                |      |     |        |         |        | Qvalue |
|--------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 148712 | 47.384  | ug/L   | 99     |
| 3) Chloromethane               | 1.25 | 50  | 202835 | 72.330  | ug/L   | 99     |
| 5) Vinyl chloride              | 1.32 | 62  | 190011 | 62.855  | ug/L   | 98     |
| 6) Bromomethane                | 1.52 | 94  | 123222 | 57.008  | ug/L   | 99     |
| 8) Chloroethane                | 1.59 | 64  | 121648 | 63.814  | ug/L   | 99     |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 241845 | 44.598  | ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 129440 | 52.372  | ug/L   | 91     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 134264 | 53.224  | ug/L   | 85     |
| 13) Acetone                    | 2.17 | 43  | 167334 | 135.037 | ug/L   | 90     |
| 14) Carbon disulfide           | 2.31 | 76  | 392194 | 56.227  | ug/L   | 100    |
| 15) Methyl Acetate             | 2.44 | 43  | 174385 | 83.357  | ug/L   | 93     |
| 16) Methylene chloride         | 2.52 | 84  | 154527 | 61.002  | ug/L   | 90     |
| 17) trans-1,2-Dichloroethene   | 2.78 | 96  | 135853 | 55.986  | ug/L   | 90     |
| 18) Methyl tert-butyl Ether    | 2.78 | 73  | 433756 | 55.638  | ug/L   | 95     |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 276739 | 65.774  | ug/L   | 97     |
| 20) cis-1,2-Dichloroethene     | 3.94 | 96  | 150235 | 58.486  | ug/L   | 91     |
| 22) 2-Butanone                 | 3.98 | 43  | 245454 | 172.736 | ug/L   | 98     |
| 23) Bromochloromethane         | 4.27 | 128 | 78907  | 53.264  | ug/L # | 72     |
| 25) Chloroform                 | 4.40 | 83  | 282657 | 57.760  | ug/L   | 98     |
| 27) 1,2-Dichloroethane         | 5.15 | 62  | 226370 | 54.605  | ug/L   | 97     |
| 29) Cyclohexane                | 4.70 | 56  | 205610 | 61.829  | ug/L   | 87     |
| 30) 1,1,1-Trichloroethane      | 4.63 | 97  | 232017 | 45.906  | ug/L   | 97     |
| 31) Carbon tetrachloride       | 4.85 | 117 | 199503 | 43.833  | ug/L   | 99     |
| 33) Benzene                    | 5.12 | 78  | 591714 | 60.965  | ug/L   | 100    |
| 34) Trichloroethene            | 5.94 | 95  | 157407 | 53.773  | ug/L   | 89     |
| 35) Methylcyclohexane          | 6.15 | 83  | 193654 | 53.530  | ug/L   | 90     |
| 37) 1,2-Dichloropropane        | 6.19 | 63  | 160593 | 68.078  | ug/L   | 97     |
| 38) Bromodichloromethane       | 6.53 | 83  | 211378 | 55.126  | ug/L   | 99     |
| 39) cis-1,3-Dichloropropene    | 7.05 | 75  | 247686 | 61.243  | ug/L   | 99     |
| 40) 4-Methyl-2-pentanone       | 7.24 | 43  | 478061 | 160.612 | ug/L # | 94     |

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 Sample : VSTD05066  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05066

Quant Time: Nov 23 13:58:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Nov 23 12:45:37 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 42) Toluene                    | 7.41  | 91   | 623723   | 57.128  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 7.67  | 75   | 247699   | 57.500  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane      | 7.86  | 97   | 152023   | 59.413  | ug/L   | 95       |
| 46) Tetrachloroethene          | 7.99  | 164  | 111642   | 43.297  | ug/L   | 96       |
| 48) 2-Hexanone                 | 8.15  | 43   | 379957   | 162.882 | ug/L # | 97       |
| 49) Dibromochloromethane       | 8.26  | 129  | 169208   | 51.529  | ug/L   | 98       |
| 50) 1,2-Dibromoethane          | 8.37  | 107  | 159661   | 57.033  | ug/L   | 95       |
| 51) Chlorobenzene              | 8.90  | 112  | 393030   | 52.345  | ug/L   | 94       |
| 52) Ethylbenzene               | 9.03  | 91   | 665373   | 54.493  | ug/L   | 99       |
| 53) m,p-Xylene                 | 9.16  | 106  | 247317   | 52.307  | ug/L   | 96       |
| 54) o-xylene                   | 9.56  | 106  | 245174   | 53.621  | ug/L   | 95       |
| 55) Styrene                    | 9.58  | 104  | 447406   | 55.330  | ug/L   | 100      |
| 56) Isopropylbenzene           | 9.95  | 105  | 633424   | 51.594  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 234306   | 67.014  | ug/L # | 98       |
| 59) 1,2,3-Trichloropropane     | 10.29 | 75   | 211685   | 65.710  | ug/L   | 99       |
| 61) Bromoform                  | 9.75  | 173  | 126802   | 51.208  | ug/L   | 98       |
| 62) 1,3-Dichlorobenzene        | 11.20 | 146  | 320687   | 52.478  | ug/L   | 99       |
| 63) 1,4-Dichlorobenzene        | 11.29 | 146  | 332381   | 51.995  | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene        | 11.66 | 146  | 326256   | 52.767  | ug/L   | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 12.45 | 75   | 56322    | 63.066  | ug/L   | 89       |
| 67) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 229789   | 49.052  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.28 | 180  | 209512   | 49.714  | ug/L   | 99       |
| 69) Naphthalene                | 13.52 | 128  | 555001   | 55.765  | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 221604   | 52.258  | ug/L   | 99       |
| -----                          |       |      |          |         |        |          |

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

