

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV101119\  
 Data File : VV013110.D  
 Acq On : 11 Oct 2019 18:42  
 Operator : SY/MD  
 Sample : VSTD20062  
 Misc : 5.00ML/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD20062

Quant Time: Oct 12 00:38:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 12 00:32:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 880500   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 837260   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 424965   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |      |      |
|--------------------------------|-------|-----|---------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 1037741 | 199.07 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.57  | 69  | 843873  | 183.93 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 1927314 | 192.63 | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 3.92  | 46  | 1711465 | 333.98 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.40  | 84  | 2026089 | 164.78 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.08  | 65  | 1252446 | 167.02 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.10  | 84  | 4223119 | 184.16 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 1343872 | 169.44 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 3877443 | 186.80 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.66  | 79  | 648287  | 194.16 | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 8.13  | 63  | 1281976 | 418.80 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84  | 1783203 | 175.69 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.67 | 152 | 1583603 | 164.34 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |         |      | Qvalue |
|--------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 1191165 | 196.256 | ug/L | 99     |
| 3) Chloromethane               | 1.25 | 50  | 1355701 | 208.468 | ug/L | 100    |
| 5) Vinyl chloride              | 1.33 | 62  | 1325355 | 206.161 | ug/L | 99     |
| 6) Bromomethane                | 1.53 | 94  | 483894  | 141.052 | ug/L | 98     |
| 8) Chloroethane                | 1.59 | 64  | 782543  | 197.042 | ug/L | 98     |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 1676893 | 189.831 | ug/L | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 985288  | 182.546 | ug/L | 99     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 975070  | 202.454 | ug/L | 96     |
| 13) Acetone                    | 2.19 | 43  | 1247895 | 300.669 | ug/L | 100    |
| 14) Carbon disulfide           | 2.32 | 76  | 2871131 | 254.767 | ug/L | 100    |
| 15) Methyl Acetate             | 2.45 | 43  | 1261426 | 184.136 | ug/L | 99     |
| 16) Methylene chloride         | 2.53 | 84  | 1155425 | 186.517 | ug/L | 98     |
| 17) trans-1,2-Dichloroethene   | 2.79 | 96  | 1086587 | 205.533 | ug/L | 98     |
| 18) Methyl tert-butyl Ether    | 2.80 | 73  | 3394167 | 192.174 | ug/L | 100    |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 2031408 | 183.434 | ug/L | 99     |
| 20) cis-1,2-Dichloroethene     | 3.96 | 96  | 1245896 | 194.690 | ug/L | 100    |
| 22) 2-Butanone                 | 4.01 | 43  | 1881050 | 358.684 | ug/L | 97     |
| 23) Bromochloromethane         | 4.30 | 128 | 625500  | 193.024 | ug/L | 99     |
| 25) Chloroform                 | 4.42 | 83  | 2027726 | 176.078 | ug/L | 99     |
| 27) 1,2-Dichloroethane         | 5.18 | 62  | 1549265 | 178.424 | ug/L | 100    |
| 29) Cyclohexane                | 4.73 | 56  | 1922938 | 227.743 | ug/L | 100    |
| 30) 1,1,1-Trichloroethane      | 4.66 | 97  | 1699580 | 190.336 | ug/L | 99     |
| 31) Carbon tetrachloride       | 4.87 | 117 | 1526763 | 197.178 | ug/L | 99     |
| 33) Benzene                    | 5.15 | 78  | 4606409 | 195.974 | ug/L | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 1226202 | 183.195 | ug/L | 99     |
| 35) Methylcyclohexane          | 6.18 | 83  | 1977187 | 225.402 | ug/L | 99     |
| 37) 1,2-Dichloropropane        | 6.22 | 63  | 1209620 | 182.429 | ug/L | 100    |
| 38) Bromodichloromethane       | 6.55 | 83  | 1571273 | 184.839 | ug/L | 99     |
| 39) cis-1,3-Dichloropropene    | 7.07 | 75  | 1974046 | 210.042 | ug/L | 98     |
| 40) 4-Methyl-2-pentanone       | 7.27 | 43  | 3453479 | 380.898 | ug/L | 98     |

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 Sample : VSTD20062  
 Misc : 5.00ML/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD20062

Quant Time: Oct 12 00:38:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 12 00:32:10 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| -----                          |       |      |          |         |       |          |
| 42) Toluene                    | 7.43  | 91   | 4877370  | 200.555 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene  | 7.69  | 75   | 1716535  | 208.323 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane      | 7.88  | 97   | 1134487  | 176.297 | ug/L  | 99       |
| 46) Tetrachloroethene          | 8.02  | 164  | 993545   | 208.019 | ug/L  | 97       |
| 48) 2-Hexanone                 | 8.18  | 43   | 2640777  | 364.614 | ug/L  | 98       |
| 49) Dibromochloromethane       | 8.29  | 129  | 1315318  | 194.307 | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 8.39  | 107  | 1237545  | 196.899 | ug/L  | 98       |
| 51) Chlorobenzene              | 8.92  | 112  | 3178452  | 192.610 | ug/L  | 99       |
| 52) Ethylbenzene               | 9.05  | 91   | 5427205  | 204.367 | ug/L  | 98       |
| 53) m,p-Xylene                 | 9.18  | 106  | 2113056  | 214.899 | ug/L  | 100      |
| 54) o-xylene                   | 9.59  | 106  | 2093916  | 210.853 | ug/L  | 97       |
| 55) Styrene                    | 9.60  | 104  | 3570344  | 214.137 | ug/L  | 98       |
| 56) Isopropylbenzene           | 9.97  | 105  | 5387204  | 207.741 | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.28 | 83   | 1735450  | 194.884 | ug/L  | 98       |
| 59) 1,2,3-Trichloropropane     | 10.32 | 75   | 1473079  | 176.278 | ug/L  | 100      |
| 61) Bromoform                  | 9.77  | 173  | 1024482  | 195.297 | ug/L  | 100      |
| 62) 1,3-Dichlorobenzene        | 11.22 | 146  | 2530965  | 190.633 | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 2527549  | 186.023 | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene        | 11.68 | 146  | 2532447  | 182.198 | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75   | 404835   | 211.086 | ug/L  | 94       |
| 67) 1,3,5-Trichlorobenzene     | 12.69 | 180  | 1901716  | 195.083 | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.31 | 180  | 1809690  | 218.548 | ug/L  | 99       |
| 69) Naphthalene                | 13.55 | 128  | 5380019  | 226.652 | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 13.79 | 180  | 1855674  | 208.072 | ug/L  | 99       |
| -----                          |       |      |          |         |       |          |

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

