

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102220\  
 Data File : VW016964.D  
 Acq On : 22 Oct 2020 11:39  
 Operator : SY/VA  
 Sample : VSTD10001  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD10001

Quant Time: Oct 22 12:26:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 22 11:56:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 542193   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 490129   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 239253   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |      |      |
|--------------------------------|-------|-----|---------|--------|------|------|
| 4) Vinyl Chloride-d3           | 2.36  | 65  | 568259  | 105.47 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.89  | 69  | 448143  | 99.89  | ug/L | 0.00 |
| 10) 1,1-Dichloroethene-d2      | 4.03  | 63  | 1161869 | 102.27 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 7.09  | 46  | 219651  | 184.67 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.65  | 84  | 1174456 | 102.36 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 8.31  | 65  | 532151  | 96.81  | ug/L | 0.00 |
| 29) Benzene-d6                 | 8.27  | 84  | 2348963 | 105.15 | ug/L | 0.00 |
| 33) 1,2-Dichloropropane-d6     | 9.27  | 67  | 646970  | 107.34 | ug/L | 0.00 |
| 37) Toluene-d8                 | 10.33 | 98  | 2275954 | 107.85 | ug/L | 0.00 |
| 38) trans-1,3-Dichloropropene- | 10.58 | 79  | 297518  | 113.10 | ug/L | 0.00 |
| 39) 2-Hexanone-d5              | 10.93 | 63  | 201430  | 221.42 | ug/L | 0.00 |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69 | 84  | 474962  | 99.25  | ug/L | 0.00 |
| 61) 1,2-Dichlorobenzene-d4     | 13.86 | 152 | 793103  | 104.27 | ug/L | 0.00 |

## Target Compounds

|                                |       |     |         |         |      | Qvalue |
|--------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane     | 2.01  | 85  | 653325  | 101.977 | ug/L | 98     |
| 3) Chloromethane               | 2.22  | 50  | 570697  | 101.835 | ug/L | 98     |
| 5) Vinyl chloride              | 2.37  | 62  | 769276  | 102.922 | ug/L | 99     |
| 6) Bromomethane                | 2.78  | 94  | 525970  | 96.680  | ug/L | 100    |
| 8) Chloroethane                | 2.93  | 64  | 454952  | 99.548  | ug/L | 99     |
| 9) Trichlorofluoromethane      | 3.26  | 101 | 681530  | 117.053 | ug/L | 99     |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.07  | 101 | 730951  | 99.558  | ug/L | 100    |
| 12) 1,1-Dichloroethene         | 4.04  | 96  | 718176  | 102.247 | ug/L | 95     |
| 13) Acetone                    | 4.14  | 43  | 136641  | 152.080 | ug/L | 100    |
| 14) Carbon disulfide           | 4.39  | 76  | 2132428 | 105.016 | ug/L | 100    |
| 15) Methyl Acetate             | 4.68  | 43  | 199789  | 92.704  | ug/L | 100    |
| 16) Methylene chloride         | 4.92  | 84  | 651976  | 86.971  | ug/L | 98     |
| 17) Methyl tert-butyl Ether    | 5.43  | 73  | 759959  | 97.131  | ug/L | 98     |
| 18) trans-1,2-Dichloroethene   | 5.43  | 96  | 750432  | 101.867 | ug/L | 96     |
| 19) 1,1-Dichloroethane         | 6.22  | 63  | 1139582 | 100.553 | ug/L | 99     |
| 21) 2-Butanone                 | 7.18  | 43  | 243339  | 160.250 | ug/L | 98     |
| 22) cis-1,2-Dichloroethene     | 7.17  | 96  | 763385  | 101.586 | ug/L | 97     |
| 23) Bromochloromethane         | 7.52  | 128 | 344022  | 97.933  | ug/L | 97     |
| 25) Chloroform                 | 7.68  | 83  | 1204067 | 98.541  | ug/L | 100    |
| 27) 1,2-Dichloroethane         | 8.40  | 62  | 677881  | 94.206  | ug/L | 99     |
| 30) Cyclohexane                | 7.96  | 56  | 1068818 | 104.817 | ug/L | 100    |
| 31) 1,1,1-Trichloroethane      | 7.88  | 97  | 1074893 | 102.396 | ug/L | 99     |
| 32) Carbon tetrachloride       | 8.07  | 117 | 1032057 | 101.806 | ug/L | 100    |
| 34) Benzene                    | 8.33  | 78  | 2672000 | 101.226 | ug/L | 100    |
| 35) Trichloroethene            | 9.10  | 95  | 758570  | 101.973 | ug/L | 99     |
| 36) Methylcyclohexane          | 9.34  | 83  | 1292013 | 102.739 | ug/L | 99     |
| 40) 1,2-Dichloropropane        | 9.37  | 63  | 600225  | 100.478 | ug/L | 99     |
| 41) Bromodichloromethane       | 9.65  | 83  | 858413  | 102.858 | ug/L | 98     |
| 42) cis-1,3-Dichloropropene    | 10.07 | 75  | 1019659 | 107.584 | ug/L | 99     |
| 43) 4-Methyl-2-pentanone       | 10.21 | 43  | 570568  | 193.567 | ug/L | 99     |

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 Sample : VSTD10001  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD10001

Quant Time: Oct 22 12:26:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 22 11:56:32 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 44) Toluene                    | 10.39 | 91   | 2972213  | 101.465 | ug/L  | 96       |
| 45) trans-1,3-Dichloropropene  | 10.61 | 75   | 853028   | 107.323 | ug/L  | 100      |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 474630   | 98.322  | ug/L  | 98       |
| 47) Tetrachloroethene          | 10.87 | 164  | 668192   | 96.792  | ug/L  | 96       |
| 49) 2-Hexanone                 | 10.97 | 43   | 381170   | 197.020 | ug/L  | 99       |
| 50) Dibromochloromethane       | 11.13 | 129  | 629140   | 105.397 | ug/L  | 96       |
| 51) 1,2-Dibromoethane          | 11.24 | 107  | 466573   | 99.276  | ug/L  | 99       |
| 52) Chlorobenzene              | 11.66 | 112  | 1972829  | 100.769 | ug/L  | 99       |
| 53) Ethylbenzene               | 11.73 | 91   | 3360841  | 102.100 | ug/L  | 98       |
| 54) m,p-Xylene                 | 11.84 | 106  | 1341052  | 104.817 | ug/L  | 100      |
| 55) o-xylene                   | 12.17 | 106  | 1277697  | 105.621 | ug/L  | 91       |
| 56) Styrene                    | 12.18 | 104  | 2100148  | 104.257 | ug/L  | 99       |
| 57) Isopropylbenzene           | 12.47 | 105  | 3446559  | 103.282 | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 511825   | 96.905  | ug/L  | 98       |
| 59) 1,2,3-Trichloropropane     | 12.77 | 75   | 360387   | 94.226  | ug/L  | 100      |
| 62) Bromoform                  | 12.35 | 173  | 367134   | 109.135 | ug/L  | 99       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 1569064  | 102.753 | ug/L  | 95       |
| 64) 1,4-Dichlorobenzene        | 13.58 | 146  | 1543318  | 100.809 | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 1358977  | 99.492  | ug/L  | 94       |
| 66) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 80493    | 99.472  | ug/L  | 97       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 1180488  | 104.064 | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene     | 15.13 | 180  | 983316   | 106.501 | ug/L  | 99       |
| 69) Naphthalene                | 15.37 | 128  | 1685718  | 111.705 | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.56 | 180  | 823894   | 104.208 | ug/L  | 99       |

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

