

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022221\  
 Data File : VW018214.D  
 Acq On : 22 Feb 2021 10:09  
 Operator : SY/VA  
 Sample : VSTD2.505  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.505

Manual Integrations  
 APPROVED

MMDadoda  
 2/23/2021 1:04:07 PM

Quant Time: Feb 23 00:36:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM022221S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 23 00:23:39 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114  | 455887   | 25.00 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117  | 412049   | 25.00 | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.554 | 152  | 206677   | 25.00 | ug/L   | 0.00     |
|                               |        |      |          |       |        |          |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65   | 11720    | 2.35  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.891  | 69   | 8818     | 2.29  | ug/L   | 0.00     |
| 10) 1,1-Dichloroethene-d2     | 4.025  | 63   | 24395    | 2.39  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 7.086  | 46   | 4544     | 4.37  | ug/L   | 0.01     |
| 24) Chloroform-d              | 7.647  | 84   | 24840    | 2.37  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.299  | 65   | 12796    | 2.46  | ug/L   | 0.00     |
| 29) Benzene-d6                | 8.275  | 84   | 48483    | 2.34  | ug/L   | 0.00     |
| 33) 1,2-Dichloropropane-d6    | 9.274  | 67   | 13669    | 2.40  | ug/L   | 0.00     |
| 37) Toluene-d8                | 10.323 | 98   | 47923    | 2.40  | ug/L   | 0.00     |
| 38) trans-1,3-Dichloroprop... | 10.573 | 79   | 5771     | 2.23  | ug/L   | 0.00     |
| 39) 2-Hexanone-d5             | 10.927 | 63   | 3474     | 3.90  | ug/L   | 0.00     |
| 48) 1,1,2,2-Tetrachloroeth... | 12.688 | 84   | 10618    | 2.34  | ug/L   | 0.00     |
| 61) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 17826    | 2.48  | ug/L   | 0.00     |
|                               |        |      |          |       |        |          |
| Target Compounds              |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.014  | 85   | 13205    | 2.35  | ug/L   | 99       |
| 3) Chloromethane              | 2.215  | 50   | 10676    | 2.51  | ug/L   | 92       |
| 5) Vinyl chloride             | 2.367  | 62   | 15616    | 2.50  | ug/L   | 98       |
| 6) Bromomethane               | 2.782  | 94   | 10641    | 2.52  | ug/L   | 98       |
| 8) Chloroethane               | 2.928  | 64   | 8414     | 2.39  | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.257  | 101  | 9857     | 2.16  | ug/L   | 94       |
| 11) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101  | 14437    | 2.44  | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.038  | 96   | 13931    | 2.39  | ug/L   | 89       |
| 13) Acetone                   | 4.129  | 43   | 4114     | 5.37  | ug/L   | 76       |
| 14) Carbon disulfide          | 4.385  | 76   | 49568    | 2.76  | ug/L   | 98       |
| 15) Methyl Acetate            | 4.672  | 43   | 4298     | 2.26  | ug/L # | 70       |
| 16) Methylene chloride        | 4.922  | 84   | 18839    | 3.07  | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 5.428  | 73   | 14285    | 2.35  | ug/L # | 67       |
| 18) trans-1,2-Dichloroethene  | 5.434  | 96   | 15079m   | 2.44  | ug/L   |          |
| 19) 1,1-Dichloroethane        | 6.214  | 63   | 23121    | 2.42  | ug/L   | 96       |
| 21) 2-Butanone                | 7.171  | 43   | 5122     | 4.35  | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 7.165  | 96   | 14588    | 2.33  | ug/L   | 96       |
| 23) Bromochloromethane        | 7.513  | 128  | 6646     | 2.28  | ug/L   | 96       |
| 25) Chloroform                | 7.671  | 83   | 25184    | 2.44  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 15033    | 2.42  | ug/L   | 98       |
| 30) Cyclohexane               | 7.951  | 56   | 19796    | 2.27  | ug/L   | 98       |
| 31) 1,1,1-Trichloroethane     | 7.866  | 97   | 20987    | 2.44  | ug/L   | 98       |
| 32) Carbon tetrachloride      | 8.067  | 117  | 20033    | 2.37  | ug/L   | 100      |
| 34) Benzene                   | 8.323  | 78   | 53751    | 2.40  | ug/L   | 100      |
| 35) Trichloroethene           | 9.092  | 95   | 15205    | 2.42  | ug/L   | 99       |
| 36) Methylcyclohexane         | 9.329  | 83   | 25236    | 2.36  | ug/L   | 98       |
| 40) 1,2-Dichloropropane       | 9.366  | 63   | 12583    | 2.44  | ug/L   | 99       |
| 41) Bromodichloromethane      | 9.640  | 83   | 17083    | 2.35  | ug/L   | 99       |
| 42) cis-1,3-Dichloropropene   | 10.073 | 75   | 17700    | 2.15  | ug/L   | 99       |
| 43) 4-Methyl-2-pentanone      | 10.207 | 43   | 10810    | 4.16  | ug/L   | 99       |
| 44) Toluene                   | 10.390 | 91   | 58437    | 2.35  | ug/L   | 96       |
| 45) trans-1,3-Dichloropropene | 10.603 | 75   | 15337    | 2.17  | ug/L   | 97       |

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MMDadoda  
 2/23/2021 1:04:07 PM

Quant Time: Feb 23 00:36:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM022221S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 23 00:23:39 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| 46) 1,1,2-Trichloroethane     | 10.786 | 97   | 9769     | 2.34 | ug/L  | 97       |
| 47) Tetrachloroethene         | 10.859 | 164  | 13539    | 2.45 | ug/L  | 89       |
| 49) 2-Hexanone                | 10.969 | 43   | 7293     | 4.12 | ug/L  | 93       |
| 50) Dibromochloromethane      | 11.128 | 129  | 11445    | 2.21 | ug/L  | 100      |
| 51) 1,2-Dibromoethane         | 11.231 | 107  | 9083     | 2.23 | ug/L  | 94       |
| 52) Chlorobenzene             | 11.652 | 112  | 40019    | 2.43 | ug/L  | 96       |
| 53) Ethylbenzene              | 11.731 | 91   | 66823    | 2.39 | ug/L  | 99       |
| 54) m,p-Xylene                | 11.841 | 106  | 25169    | 2.31 | ug/L  | 99       |
| 55) o-xylene                  | 12.164 | 106  | 23824    | 2.31 | ug/L  | 96       |
| 56) Styrene                   | 12.182 | 104  | 38117    | 2.20 | ug/L  | 100      |
| 57) Isopropylbenzene          | 12.463 | 105  | 65270    | 2.33 | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 10463    | 2.26 | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane    | 12.768 | 75   | 7910     | 2.31 | ug/L  | 94       |
| 62) Bromoform                 | 12.347 | 173  | 6483     | 2.15 | ug/L  | 97       |
| 63) 1,3-Dichlorobenzene       | 13.499 | 146  | 32076    | 2.44 | ug/L  | 96       |
| 64) 1,4-Dichlorobenzene       | 13.579 | 146  | 32561    | 2.49 | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene       | 13.865 | 146  | 27537    | 2.38 | ug/L  | 94       |
| 66) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 1659     | 2.26 | ug/L  | 86       |
| 67) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 24654    | 2.43 | ug/L  | 96       |
| 68) 1,2,4-trichlorobenzene    | 15.127 | 180  | 18933    | 2.31 | ug/L  | 99       |
| 69) Naphthalene               | 15.365 | 128  | 29736    | 2.07 | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 16707    | 2.31 | ug/L  | 99       |
| -----                         |        |      |          |      |       |          |

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

