

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW012621\  
 Data File : VW017991.D  
 Acq On : 26 Jan 2021 15:02  
 Operator : SY/VA  
 Sample : VSTD05006  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD05006

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2021 11:57:29 AM

Quant Time: Jan 26 15:54:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012621S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 26 15:52:19 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene        | 8.841  | 114  | 455306   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.633 | 117  | 420600   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560 | 152  | 217411   | 25.00 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65   | 248826   | 36.41 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.885  | 69   | 231344   | 39.66 | ug/L  | 0.00     |
| 10) 1,1-Dichloroethene-d2     | 4.019  | 63   | 475279   | 38.15 | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 7.073  | 46   | 121346   | 77.05 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.646  | 84   | 509294   | 41.53 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65   | 268197   | 39.48 | ug/L  | 0.00     |
| 29) Benzene-d6                | 8.274  | 84   | 961670   | 40.32 | ug/L  | 0.00     |
| 33) 1,2-Dichloropropane-d6    | 9.274  | 67   | 276537   | 40.76 | ug/L  | 0.00     |
| 37) Toluene-d8                | 10.323 | 98   | 932277   | 41.71 | ug/L  | 0.00     |
| 38) trans-1,3-Dichloroprop... | 10.579 | 79   | 128462   | 42.44 | ug/L  | 0.00     |
| 39) 2-Hexanone-d5             | 10.926 | 63   | 96565    | 84.95 | ug/L  | 0.00     |
| 48) 1,1,2,2-Tetrachloroeth... | 12.694 | 84   | 232252   | 40.23 | ug/L  | 0.00     |
| 61) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 323725   | 43.09 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85   | 309444   | 54.14 | ug/L  | 99       |
| 3) Chloromethane              | 2.214  | 50   | 283548   | 52.88 | ug/L  | 99       |
| 5) Vinyl chloride             | 2.361  | 62   | 318909   | 43.01 | ug/L  | 100      |
| 6) Bromomethane               | 2.775  | 94   | 252463   | 41.61 | ug/L  | 99       |
| 8) Chloroethane               | 2.922  | 64   | 219315   | 46.34 | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 3.263  | 101  | 224205   | 40.43 | ug/L  | 99       |
| 11) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101  | 274747m  | 43.54 | ug/L  |          |
| 12) 1,1-Dichloroethene        | 4.043  | 96   | 255641   | 43.41 | ug/L  | 89       |
| 13) Acetone                   | 4.116  | 43   | 84641    | 73.94 | ug/L  | 91       |
| 14) Carbon disulfide          | 4.385  | 76   | 792344   | 43.52 | ug/L  | 99       |
| 15) Methyl Acetate            | 4.665  | 43   | 107321   | 39.03 | ug/L  | 97       |
| 16) Methylene chloride        | 4.915  | 84   | 259831   | 39.49 | ug/L  | 96       |
| 17) Methyl tert-butyl Ether   | 5.421  | 73   | 289586   | 37.95 | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 5.421  | 96   | 283203   | 44.18 | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 6.214  | 63   | 487015   | 44.67 | ug/L  | 99       |
| 21) 2-Butanone                | 7.165  | 43   | 143460   | 82.14 | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 7.171  | 96   | 297283   | 43.91 | ug/L  | 97       |
| 23) Bromochloromethane        | 7.512  | 128  | 136683   | 45.02 | ug/L  | 94       |
| 25) Chloroform                | 7.677  | 83   | 510411   | 43.88 | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 339699   | 43.04 | ug/L  | 97       |
| 30) Cyclohexane               | 7.957  | 56   | 454838   | 44.26 | ug/L  | 99       |
| 31) 1,1,1-Trichloroethane     | 7.872  | 97   | 414362   | 42.80 | ug/L  | 98       |
| 32) Carbon tetrachloride      | 8.067  | 117  | 401260   | 43.46 | ug/L  | 99       |
| 34) Benzene                   | 8.323  | 78   | 1110080  | 44.61 | ug/L  | 100      |
| 35) Trichloroethene           | 9.091  | 95   | 300510   | 43.85 | ug/L  | 96       |
| 36) Methylcyclohexane         | 9.335  | 83   | 527896   | 44.48 | ug/L  | 99       |
| 40) 1,2-Dichloropropane       | 9.366  | 63   | 268566   | 44.59 | ug/L  | 98       |
| 41) Bromodichloromethane      | 9.646  | 83   | 370898   | 45.02 | ug/L  | 98       |
| 42) cis-1,3-Dichloropropene   | 10.073 | 75   | 431008   | 45.44 | ug/L  | 98       |
| 43) 4-Methyl-2-pentanone      | 10.207 | 43   | 330334   | 87.13 | ug/L  | 98       |
| 44) Toluene                   | 10.390 | 91   | 1246367  | 45.36 | ug/L  | 96       |
| 45) trans-1,3-Dichloropropene | 10.603 | 75   | 383587   | 47.01 | ug/L  | 99       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD05006

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2021 11:57:29 AM

Quant Time: Jan 26 15:54:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012621S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 26 15:52:19 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 46) 1,1,2-Trichloroethane     | 10.786 | 97   | 206107   | 43.48 | ug/L   | 98       |
| 47) Tetrachloroethene         | 10.859 | 164  | 247166   | 45.97 | ug/L   | 95       |
| 49) 2-Hexanone                | 10.969 | 43   | 231920   | 90.22 | ug/L   | 90       |
| 50) Dibromochloromethane      | 11.127 | 129  | 255866   | 45.09 | ug/L   | 99       |
| 51) 1,2-Dibromoethane         | 11.237 | 107  | 205560   | 43.73 | ug/L # | 99       |
| 52) Chlorobenzene             | 11.658 | 112  | 794763   | 44.76 | ug/L   | 96       |
| 53) Ethylbenzene              | 11.731 | 91   | 1415172  | 45.64 | ug/L   | 99       |
| 54) m,p-Xylene                | 11.841 | 106  | 552381   | 45.77 | ug/L   | 99       |
| 55) o-xylene                  | 12.164 | 106  | 519601   | 46.72 | ug/L   | 99       |
| 56) Styrene                   | 12.182 | 104  | 892795   | 47.21 | ug/L   | 99       |
| 57) Isopropylbenzene          | 12.463 | 105  | 1444908  | 46.46 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 247504   | 43.39 | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane    | 12.767 | 75   | 177827   | 41.41 | ug/L   | 100      |
| 62) Bromoform                 | 12.347 | 173  | 134781   | 44.83 | ug/L   | 98       |
| 63) 1,3-Dichlorobenzene       | 13.499 | 146  | 636241   | 46.73 | ug/L   | 94       |
| 64) 1,4-Dichlorobenzene       | 13.578 | 146  | 616994   | 44.93 | ug/L   | 95       |
| 65) 1,2-Dichlorobenzene       | 13.871 | 146  | 564217   | 46.23 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropr... | 14.480 | 75   | 39237    | 41.03 | ug/L # | 80       |
| 67) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 438146   | 46.15 | ug/L   | 97       |
| 68) 1,2,4-trichlorobenzene    | 15.133 | 180  | 357192   | 44.09 | ug/L   | 94       |
| 69) Naphthalene               | 15.364 | 128  | 751099   | 45.17 | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene    | 15.553 | 180  | 310857   | 44.31 | ug/L   | 98       |
| -----                         |        |      |          |       |        |          |

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

