

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW030222\  
 Data File : VW024858.D  
 Acq On : 02 Mar 2022 19:41  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_V/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD025281

Quant Time: Mar 03 03:14:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM030222SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 03 02:51:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 5.613     | 114   | 300915   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 8.850     | 117   | 282540   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246    | 152   | 140753   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.304     | 65    | 139889   | 26.211   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 104.840% |          |
| 7) Chloroethane-d5            | 1.565     | 69    | 106054   | 26.702   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 106.800% |          |
| 11) 1,1-Dichloroethene-d2     | 2.105     | 63    | 214481   | 25.133   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 100.520% |          |
| 21) 2-Butanone-d5             | 3.902     | 46    | 82125    | 52.007   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 104.020% |          |
| 24) Chloroform-d              | 4.346     | 84    | 227190   | 26.966   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 107.880% |          |
| 26) 1,2-Dichloroethane-d4     | 5.027     | 65    | 123933   | 27.769   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 111.080% |          |
| 32) Benzene-d6                | 5.047     | 84    | 477223   | 27.296   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 109.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.066     | 67    | 145379   | 27.982   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 111.920% |          |
| 41) Toluene-d8                | 7.314     | 98    | 430394   | 27.256   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 109.040% |          |
| 43) trans-1,3-Dichloroprop... | 7.619     | 79    | 62360    | 27.950   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 111.800% |          |
| 47) 2-Hexanone-d5             | 8.088     | 63    | 59303    | 49.813   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 99.620%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214    | 84    | 120049   | 26.183   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 104.720% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622    | 152   | 147012   | 27.083   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 108.320% |          |
| Target Compounds              |           |       |          | Qvalue   |            |          |
| 2) Dichlorodifluoromethane    | 1.127     | 85    | 105376   | 21.670   | ug/L       | 98       |
| 3) Chloromethane              | 1.240     | 50    | 102924   | 22.035   | ug/L       | 99       |
| 5) Vinyl chloride             | 1.307     | 62    | 110721   | 22.299   | ug/L       | 100      |
| 6) Bromomethane               | 1.520     | 94    | 68405    | 22.498   | ug/L       | 99       |
| 8) Chloroethane               | 1.584     | 64    | 67665    | 22.488   | ug/L       | 97       |
| 9) Trichlorofluoromethane     | 1.751     | 101   | 146639   | 22.336   | ug/L       | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114     | 101   | 89055    | 22.532   | ug/L       | 100      |
| 12) 1,1-Dichloroethene        | 2.114     | 96    | 81994    | 22.220   | ug/L       | 91       |
| 13) Acetone                   | 2.192     | 43    | 41296    | 37.822   | ug/L       | 60       |
| 14) Carbon disulfide          | 2.291     | 76    | 285639   | 22.170   | ug/L       | 100      |
| 15) Methyl Acetate            | 2.436     | 43    | 51125    | 21.699   | ug/L       | 98       |
| 16) Methylene chloride        | 2.503     | 84    | 104744   | 23.298   | ug/L       | 97       |
| 17) trans-1,2-Dichloroethene  | 2.757     | 96    | 96959    | 23.252   | ug/L       | 94       |
| 18) Methyl tert-butyl Ether   | 2.767     | 73    | 235632   | 23.836   | ug/L       | 99       |
| 19) 1,1-Dichloroethane        | 3.188     | 63    | 167857   | 23.215   | ug/L       | 100      |
| 20) cis-1,2-Dichloroethene    | 3.909     | 96    | 102203   | 23.562   | ug/L       | 97       |
| 22) 2-Butanone                | 3.989     | 43    | 59880    | 43.171   | ug/L       | 99       |
| 23) Bromochloromethane        | 4.246     | 128   | 46876    | 23.968   | ug/L       | 95       |
| 25) Chloroform                | 4.372     | 83    | 176126   | 24.061   | ug/L       | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW030222\  
 Data File : VW024858.D  
 Acq On : 02 Mar 2022 19:41  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_V/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD025281

Quant Time: Mar 03 03:14:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM030222SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 03 02:51:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 110167   | 24.031 | ug/L  | 99       |
| 29) Cyclohexane               | 4.674  | 56   | 154254   | 22.431 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 147635   | 22.991 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 125553   | 22.685 | ug/L  | 99       |
| 33) Benzene                   | 5.095  | 78   | 392052   | 24.042 | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 109905   | 23.377 | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.130  | 83   | 174837   | 22.614 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 97533    | 24.852 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.507  | 83   | 127380   | 24.977 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 144371   | 24.670 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 137183   | 45.771 | ug/L  | 100      |
| 42) Toluene                   | 7.384  | 91   | 417396   | 24.344 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 129832   | 25.038 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 80710    | 24.009 | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.973  | 164  | 70104    | 22.994 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.140  | 43   | 101111   | 48.395 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 87717    | 24.856 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 79268    | 23.739 | ug/L  | 98       |
| 51) Chlorobenzene             | 8.879  | 112  | 260847   | 23.701 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 447604   | 23.988 | ug/L  | 98       |
| 53) m,p-Xylene                | 9.137  | 106  | 170695   | 23.959 | ug/L  | 97       |
| 54) o-Xylene                  | 9.542  | 106  | 164708   | 24.669 | ug/L  | 98       |
| 55) Styrene                   | 9.558  | 104  | 289753   | 25.423 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 90877    | 23.666 | ug/L  | 97       |
| 59) Bromoform                 | 9.728  | 173  | 45456    | 24.056 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.928  | 105  | 439510   | 23.732 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 79642    | 23.149 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 303219   | 21.858 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 372113   | 24.288 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 198028   | 23.690 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 197974   | 23.344 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 185587   | 24.024 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 16176    | 22.900 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 134106   | 22.576 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 119956   | 23.187 | ug/L  | 100      |
| 71) Naphthalene               | 13.500 | 128  | 298396   | 23.356 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 113539   | 23.761 | ug/L  | 98       |

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

