

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011024\  
 Data File : VW033576.D  
 Acq On : 10 Jan 2024 21:29  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050376

Quant Time: Jan 11 00:55:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM011024WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 11 00:32:34 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 328893   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 309036   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 157903   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 121297   | 47.987   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 95.980%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 92682    | 46.301   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 92.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 50610    | 46.523   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.040%  |
| 21) 2-Butanone-d5             | 3.783   | 46    | 166185   | 95.852   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 95.850%  |
| 24) Chloroform-d              | 4.249   | 84    | 207671   | 45.947   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.900%  |
| 26) 1,2-Dichloroethane-d4     | 4.941   | 65    | 137462   | 47.070   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.140%  |
| 32) Benzene-d6                | 4.960   | 84    | 414068   | 47.130   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.260%  |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 134168   | 46.394   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 92.780%  |
| 41) Toluene-d8                | 7.243   | 98    | 374113   | 47.261   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.520%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 66738    | 46.694   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.380%  |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 119767   | 99.841   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 99.840%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153  | 84    | 169392   | 45.881   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 91.760%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 141834   | 47.343   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.680%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 125122   | 45.730   | ug/L   | 100      |
| 3) Chloromethane              | 1.214   | 50    | 149782   | 48.141   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.285   | 62    | 143039   | 48.057   | ug/L   | 99       |
| 6) Bromomethane               | 1.481   | 94    | 77399    | 49.755   | ug/L   | 100      |
| 8) Chloroethane               | 1.545   | 64    | 85156    | 47.980   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 175315   | 49.359   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 101150   | 48.337   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 96817    | 49.050   | ug/L   | 96       |
| 13) Acetone                   | 2.108   | 43    | 137103   | 82.708   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.240   | 76    | 323930   | 48.285   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.372   | 43    | 139660   | 51.522   | ug/L # | 100      |
| 16) Methylene chloride        | 2.445   | 84    | 117753   | 48.901   | ug/L   | 100      |
| 17) trans-1,2-Dichloroethene  | 2.693   | 96    | 105200   | 47.712   | ug/L   | 100      |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 395725   | 49.902   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.111   | 63    | 225351   | 49.992   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.815   | 96    | 120627   | 49.156   | ug/L   | 98       |
| 22) 2-Butanone                | 3.863   | 43    | 187856   | 93.307   | ug/L   | 95       |
| 23) Bromochloromethane        | 4.150   | 128   | 58050    | 48.694   | ug/L   | 97       |
| 25) Chloroform                | 4.275   | 83    | 216143   | 50.573   | ug/L   | 100      |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050376

Quant Time: Jan 11 00:55:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM011024WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 11 00:32:34 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 177369   | 49.687  | ug/L  | 99       |
| 29) Cyclohexane               | 4.584  | 56   | 217185   | 49.851  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.513  | 97   | 185806   | 50.101  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.738  | 117  | 159463   | 50.375  | ug/L  | 100      |
| 33) Benzene                   | 5.008  | 78   | 458904   | 50.558  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 120935   | 49.669  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.050  | 83   | 201529   | 48.364  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 128707   | 51.529  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 166243   | 50.877  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 211133   | 50.619  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 379151   | 102.445 | ug/L  | 100      |
| 42) Toluene                   | 7.313  | 91   | 478333   | 49.852  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 192563   | 50.098  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 114401   | 50.479  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.905  | 164  | 86426    | 48.394  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.072  | 43   | 284726   | 96.549  | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.175  | 129  | 117763   | 49.892  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 121655   | 50.796  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.815  | 112  | 301281   | 49.294  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 547531   | 49.268  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 202392   | 49.330  | ug/L  | 99       |
| 54) o-Xylene                  | 9.477  | 106  | 202024   | 49.737  | ug/L  | 99       |
| 55) Styrene                   | 9.497  | 104  | 347630   | 49.571  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 179102   | 49.658  | ug/L  | 100      |
| 59) Bromoform                 | 9.664  | 173  | 85434    | 50.907  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.866  | 105  | 547703   | 51.266  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 145723   | 52.000  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 462541   | 50.460  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 465093   | 50.922  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 236782   | 49.067  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 236923   | 48.964  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 235444   | 49.933  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 41588    | 51.427  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 171338   | 48.047  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 155042   | 47.902  | ug/L  | 99       |
| 71) Naphthalene               | 13.439 | 128  | 376485   | 44.514  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 146420   | 48.467  | ug/L  | 99       |

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

