

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW092023\  
 Data File : VW032136.D  
 Acq On : 20 Sep 2023 10:42  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050300

Quant Time: Sep 21 01:33:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082323WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 16 02:09:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 250073   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786   | 117   | 241776   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188  | 152   | 131749   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 76289    | 48.746   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 97.500%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 61830    | 45.067   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 90.140%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 31597    | 43.116   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.240%  |
| 21) 2-Butanone-d5             | 3.786   | 46    | 103222   | 83.859   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 83.860%  |
| 24) Chloroform-d              | 4.249   | 84    | 137473   | 40.188   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 80.380%  |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 81297    | 35.811   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 71.620%  |
| 32) Benzene-d6                | 4.960   | 84    | 275876   | 41.816   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.640%  |
| 36) 1,2-Dichloropropane-d6    | 5.992   | 67    | 88794    | 41.815   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 83.640%  |
| 41) Toluene-d8                | 7.243   | 98    | 252220   | 41.492   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 82.980%  |
| 43) trans-1,3-Dichloroprop... | 7.555   | 79    | 42862    | 38.944   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 77.880%  |
| 47) 2-Hexanone-d5             | 8.027   | 63    | 67134    | 103.150  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 103.150% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156  | 84    | 117094   | 42.672   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 85.340%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.564  | 152   | 97966    | 40.790   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 81.580%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 58170    | 38.210   | ug/L   | 98       |
| 3) Chloromethane              | 1.214   | 50    | 64327    | 41.438   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.281   | 62    | 68164    | 41.116   | ug/L   | 98       |
| 6) Bromomethane               | 1.484   | 94    | 41791    | 42.813   | ug/L   | 100      |
| 8) Chloroethane               | 1.548   | 64    | 47308    | 42.938   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 104204   | 43.118   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066   | 101   | 68878    | 47.204   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 55690    | 42.491   | ug/L   | 88       |
| 13) Acetone                   | 2.111   | 43    | 114670   | 104.667  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.240   | 76    | 114000   | 38.173   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.371   | 43    | 93261    | 47.730   | ug/L   | 100      |
| 16) Methylene chloride        | 2.445   | 84    | 75435    | 44.789   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.693   | 96    | 61175    | 42.574   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 257123   | 42.340   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.111   | 63    | 145071   | 45.051   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.815   | 96    | 80433    | 44.618   | ug/L   | 94       |
| 22) 2-Butanone                | 3.863   | 43    | 140525   | 96.934   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.146   | 128   | 40003    | 45.738   | ug/L   | 98       |
| 25) Chloroform                | 4.278   | 83    | 147441   | 44.038   | ug/L   | 100      |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050300

Quant Time: Sep 21 01:33:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082323WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 16 02:09:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 106360   | 40.323 | ug/L  | 96       |
| 29) Cyclohexane               | 4.584  | 56   | 102403   | 40.679 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.513  | 97   | 120936   | 42.883 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 99994    | 41.757 | ug/L  | 99       |
| 33) Benzene                   | 5.011  | 78   | 288095   | 44.347 | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 81881    | 41.213 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.050  | 83   | 108122   | 40.915 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 85129    | 46.232 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 114305   | 43.734 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 138591   | 43.291 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 271188   | 92.790 | ug/L  | 99       |
| 42) Toluene                   | 7.317  | 91   | 314692   | 44.037 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 130006   | 42.265 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 88936    | 47.808 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.908  | 164  | 56233    | 45.076 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.075  | 43   | 214094   | 95.925 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.178  | 129  | 88557    | 46.325 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 88807    | 45.578 | ug/L  | 98       |
| 51) Chlorobenzene             | 8.815  | 112  | 214765   | 45.229 | ug/L  | 98       |
| 52) Ethylbenzene              | 8.947  | 91   | 363223   | 42.909 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 134092   | 42.664 | ug/L  | 100      |
| 54) o-Xylene                  | 9.480  | 106  | 134115   | 42.904 | ug/L  | 100      |
| 55) Styrene                   | 9.497  | 104  | 242696   | 43.918 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 139929   | 53.135 | ug/L  | 98       |
| 59) Bromoform                 | 9.667  | 173  | 64390    | 47.130 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.870  | 105  | 377289   | 42.756 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 109140   | 43.847 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 309606   | 41.704 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 311814   | 41.752 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 177677   | 44.927 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.214 | 146  | 181190   | 45.057 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 180880   | 46.157 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 29341    | 39.244 | ug/L  | 85       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 132933   | 46.109 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 125934   | 45.507 | ug/L  | 99       |
| 71) Naphthalene               | 13.442 | 128  | 399518   | 45.186 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 126366   | 47.654 | ug/L  | 99       |

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

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