

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120923\  
 Data File : VX039126.D  
 Acq On : 08 Dec 2023 23:25  
 Operator : JC/MD  
 Sample : VSTDCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050700

Quant Time: Dec 09 03:45:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 09 03:39:44 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.763          | 114  | 246792     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 223368     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 110292     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 81984      | 42.354   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 84.700%  |       |          |
| 7) Chloroethane-d5            | 1.666          | 69   | 64739      | 45.248   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 90.500%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.307          | 65   | 38222      | 44.983   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.960%  |       |          |
| 21) 2-Butanone-d5             | 4.446          | 46   | 182968     | 104.422  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 104.420% |       |          |
| 24) Chloroform-d              | 5.056          | 84   | 171637     | 50.089   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 100.180% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.958          | 65   | 110217     | 49.665   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 99.340%  |       |          |
| 32) Benzene-d6                | 5.977          | 84   | 334446     | 48.516   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.040%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 7.306          | 67   | 112732     | 50.815   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 101.620% |       |          |
| 41) Toluene-d8                | 8.647          | 98   | 288253     | 46.141   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 92.280%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.946          | 79   | 53561      | 47.443   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 94.880%  |       |          |
| 47) 2-Hexanone-d5             | 9.385          | 63   | 141579     | 106.849  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 106.850% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 166728     | 52.978   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 105.960% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.317         | 152  | 100680     | 48.294   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.580%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.167          | 85   | 87509      | 44.463   | ug/L  | 100      |
| 3) Chloromethane              | 1.295          | 50   | 104486     | 50.793   | ug/L  | 98       |
| 5) Vinyl chloride             | 1.374          | 62   | 98723      | 48.693   | ug/L  | 99       |
| 6) Bromomethane               | 1.605          | 94   | 60617      | 55.391   | ug/L  | 97       |
| 8) Chloroethane               | 1.691          | 64   | 57835      | 50.458   | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 1.892          | 101  | 123984     | 47.185   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331          | 101  | 78277      | 46.312   | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.319          | 96   | 80153      | 50.415   | ug/L  | 94       |
| 13) Acetone                   | 2.374          | 43   | 119273     | 70.857   | ug/L  | 98       |
| 14) Carbon disulfide          | 2.514          | 76   | 241342     | 47.704   | ug/L  | 100      |
| 15) Methyl Acetate            | 2.697          | 43   | 131688     | 54.733   | ug/L  | 99       |
| 16) Methylene chloride        | 2.788          | 84   | 96899      | 53.048   | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 3.093          | 96   | 85629      | 51.118   | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 3.111          | 73   | 315547     | 54.117   | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.611          | 63   | 174761     | 52.762   | ug/L  | 97       |
| 20) cis-1,2-Dichloroethene    | 4.483          | 96   | 101051     | 52.008   | ug/L  | 98       |
| 22) 2-Butanone                | 4.550          | 43   | 192752     | 93.306   | ug/L  | 99       |
| 23) Bromochloromethane        | 4.898          | 128  | 47766      | 52.297   | ug/L  | 97       |
| 25) Chloroform                | 5.093          | 83   | 174630     | 52.859   | ug/L  | 99       |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050700

Quant Time: Dec 09 03:45:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 09 03:39:44 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 143064   | 54.867  | ug/L  | 97       |
| 29) Cyclohexane               | 5.471  | 56   | 148506   | 47.527  | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 138193   | 50.991  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 111156   | 49.159  | ug/L  | 100      |
| 33) Benzene                   | 6.038  | 78   | 377916   | 53.239  | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 95390    | 50.849  | ug/L  | 99       |
| 35) Methylcyclohexane         | 7.379  | 83   | 142056   | 45.468  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 7.428  | 63   | 107825   | 54.771  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.818  | 83   | 128686   | 53.743  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 162865   | 51.870  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 8.568  | 43   | 366787   | 111.167 | ug/L  | 100      |
| 42) Toluene                   | 8.714  | 91   | 382026   | 50.751  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 155734   | 53.448  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 99691    | 55.257  | ug/L  | 96       |
| 46) Tetrachloroethene         | 9.275  | 164  | 59383    | 47.986  | ug/L  | 98       |
| 48) 2-Hexanone                | 9.427  | 43   | 291519   | 105.565 | ug/L  | 98       |
| 49) Dibromochloromethane      | 9.519  | 129  | 95338    | 54.243  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 106064   | 54.875  | ug/L  | 98       |
| 51) Chlorobenzene             | 10.080 | 112  | 239717   | 51.556  | ug/L  | 99       |
| 52) Ethylbenzene              | 10.195 | 91   | 416262   | 49.465  | ug/L  | 100      |
| 53) m,p-Xylene                | 10.299 | 106  | 153258   | 48.710  | ug/L  | 100      |
| 54) o-Xylene                  | 10.640 | 106  | 151419   | 50.154  | ug/L  | 100      |
| 55) Styrene                   | 10.653 | 104  | 261679   | 50.656  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 171203   | 54.375  | ug/L  | 99       |
| 59) Bromoform                 | 10.799 | 173  | 68768    | 53.052  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.964 | 105  | 392831   | 48.744  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 133332   | 55.186  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 335812   | 49.356  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 330660   | 49.562  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 170367   | 49.389  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.037 | 146  | 179258   | 51.283  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 169188   | 51.274  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 39933    | 52.959  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 111800   | 49.009  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 109829   | 51.070  | ug/L  | 99       |
| 71) Naphthalene               | 13.774 | 128  | 388481   | 52.672  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 105611   | 50.718  | ug/L  | 100      |

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

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QLast Update : Sat Dec 09 03:39:44 2023  
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