

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX013125\  
 Data File : VX044783.D  
 Acq On : 31 Jan 2025 09:37  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050822

Quant Time: Feb 03 07:28:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML012825WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 28 12:04:44 2025  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.751   | 114   | 268883   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.049  | 117   | 236895   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018  | 152   | 106474   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 99788    | 49.303   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 98.600%  |
| 7) Chloroethane-d5            | 1.642   | 69    | 35590    | 46.286   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 92.580%  |
| 11) 1,1-Dichloroethene-d2     | 2.294   | 65    | 44235    | 51.130   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 102.260% |
| 21) 2-Butanone-d5             | 4.453   | 46    | 105673   | 122.128  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 122.130% |
| 24) Chloroform-d              | 5.044   | 84    | 174157   | 48.968   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.940%  |
| 26) 1,2-Dichloroethane-d4     | 5.946   | 65    | 103071   | 48.281   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.560%  |
| 32) Benzene-d6                | 5.964   | 84    | 356650   | 48.149   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.300%  |
| 36) 1,2-Dichloropropane-d6    | 7.300   | 67    | 112147   | 47.833   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 95.660%  |
| 41) Toluene-d8                | 8.641   | 98    | 311057   | 47.447   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.900%  |
| 43) trans-1,3-Dichloroprop... | 8.946   | 79    | 52702    | 47.389   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.780%  |
| 47) 2-Hexanone-d5             | 9.385   | 63    | 67262    | 96.937   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 96.940%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 146204   | 50.182   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 100.360% |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 102568   | 49.232   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.460%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.167   | 85    | 106562   | 55.415   | ug/L   | 91       |
| 3) Chloromethane              | 1.301   | 50    | 122876   | 51.824   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.374   | 62    | 117429   | 53.930   | ug/L   | 98       |
| 6) Bromomethane               | 1.593   | 94    | 32340    | 54.875   | ug/L   | 97       |
| 8) Chloroethane               | 1.666   | 64    | 47511    | 54.648   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.874   | 101   | 139824   | 57.595   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319   | 101   | 98334    | 55.061   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.313   | 96    | 88842    | 53.310   | ug/L   | 96       |
| 13) Acetone                   | 2.380   | 43    | 90634    | 105.043  | ug/L   | 96       |
| 14) Carbon disulfide          | 2.502   | 76    | 254983   | 49.964   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.703   | 43    | 103296   | 51.735   | ug/L   | 98       |
| 16) Methylene chloride        | 2.782   | 84    | 101509   | 53.256   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.087   | 96    | 91002    | 52.201   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 311095   | 51.759   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.599   | 63    | 178237   | 52.289   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.477   | 96    | 105770   | 50.686   | ug/L   | 99       |
| 22) 2-Butanone                | 4.556   | 43    | 139497   | 98.046   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.891   | 128   | 52068    | 50.592   | ug/L   | 98       |
| 25) Chloroform                | 5.080   | 83    | 177805   | 51.412   | ug/L   | 100      |

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 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :  
 VSTD050822

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 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 28 12:04:44 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.074  | 62   | 132672   | 51.133  | ug/L  | 97       |
| 29) Cyclohexane               | 5.458  | 56   | 183692   | 50.513  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.373  | 97   | 149171   | 49.770  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.666  | 117  | 126462   | 49.201  | ug/L  | 99       |
| 33) Benzene                   | 6.025  | 78   | 397909   | 50.968  | ug/L  | 100      |
| 34) Trichloroethene           | 7.117  | 95   | 99348    | 50.006  | ug/L  | 97       |
| 35) Methylcyclohexane         | 7.373  | 83   | 172106   | 50.637  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 7.422  | 63   | 104388   | 49.433  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.818  | 83   | 131903   | 49.769  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 8.360  | 75   | 169963   | 49.576  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 8.568  | 43   | 280160   | 100.360 | ug/L  | 99       |
| 42) Toluene                   | 8.714  | 91   | 414681   | 51.772  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 152364   | 49.644  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 9.147  | 97   | 101385   | 51.437  | ug/L  | 98       |
| 46) Tetrachloroethene         | 9.269  | 164  | 70331    | 49.851  | ug/L  | 96       |
| 48) 2-Hexanone                | 9.427  | 43   | 208469   | 104.220 | ug/L  | 99       |
| 49) Dibromochloromethane      | 9.519  | 129  | 98946    | 49.775  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 9.604  | 107  | 104055   | 50.369  | ug/L  | 98       |
| 51) Chlorobenzene             | 10.073 | 112  | 261376   | 52.272  | ug/L  | 99       |
| 52) Ethylbenzene              | 10.189 | 91   | 453169   | 51.759  | ug/L  | 99       |
| 53) m,p-Xylene                | 10.299 | 106  | 172624   | 52.518  | ug/L  | 98       |
| 54) o-Xylene                  | 10.640 | 106  | 171377   | 52.896  | ug/L  | 96       |
| 55) Styrene                   | 10.653 | 104  | 286037   | 53.492  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 154190   | 50.418  | ug/L  | 99       |
| 59) Bromoform                 | 10.799 | 173  | 66990    | 47.562  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.957 | 105  | 442523   | 51.750  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 113507   | 48.286  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 367440   | 52.379  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 364835   | 52.509  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.963 | 146  | 180915   | 51.466  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 12.037 | 146  | 178293   | 50.954  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 177312   | 50.876  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 29348    | 45.819  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.110 | 180  | 117988   | 51.222  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 107507   | 51.770  | ug/L  | 98       |
| 71) Naphthalene               | 13.774 | 128  | 406265   | 50.444  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 106217   | 50.441  | ug/L  | 99       |

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

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