

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110524\  
 Data File : VX043724.D  
 Acq On : 05 Nov 2024 18:18  
 Operator : JC/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050780

Quant Time: Nov 06 02:05:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML110424WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 06 01:38:34 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 164207   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 155743   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 72755    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 37903    | 43.328   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 86.660%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 22109    | 58.797   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 117.600% |
| 11) 1,1-Dichloroethene-d2     | 2.294   | 65    | 16919    | 41.896   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 83.800%  |
| 21) 2-Butanone-d5             | 4.465   | 46    | 55109    | 96.215   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 96.210%  |
| 24) Chloroform-d              | 5.056   | 84    | 89361    | 47.385   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.780%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 51242    | 42.772   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 85.540%  |
| 32) Benzene-d6                | 5.970   | 84    | 178644   | 44.366   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.740%  |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 53430    | 43.615   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 87.240%  |
| 41) Toluene-d8                | 8.647   | 98    | 161572   | 44.172   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 88.340%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 22466    | 38.347   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 76.700%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 42766    | 88.212   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 88.210%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 72757    | 46.289   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 92.580%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 62128    | 49.286   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.580%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 44678    | 38.632   | ug/L   | 98       |
| 3) Chloromethane              | 1.294   | 50    | 53580    | 47.672   | ug/L   | 97       |
| 5) Vinyl chloride             | 1.374   | 62    | 48510    | 44.063   | ug/L   | 99       |
| 6) Bromomethane               | 1.593   | 94    | 22988    | 53.884   | ug/L   | 100      |
| 8) Chloroethane               | 1.666   | 64    | 27459    | 70.891   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.874   | 101   | 63523    | 45.468   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319   | 101   | 40952    | 42.679   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.313   | 96    | 40835    | 46.618   | ug/L   | 74       |
| 13) Acetone                   | 2.386   | 43    | 45326    | 85.085   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.502   | 76    | 73755    | 38.089   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.703   | 43    | 50555    | 44.880   | ug/L   | 94       |
| 16) Methylene chloride        | 2.788   | 84    | 54358    | 51.365   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 3.087   | 96    | 43657    | 46.327   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.117   | 73    | 163158   | 45.545   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.605   | 63    | 89276    | 48.110   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.483   | 96    | 58011    | 49.562   | ug/L   | 95       |
| 22) 2-Butanone                | 4.562   | 43    | 67127    | 87.098   | ug/L   | 96       |
| 23) Bromochloromethane        | 4.897   | 128   | 29845    | 50.725   | ug/L   | 90       |
| 25) Chloroform                | 5.093   | 83    | 97557    | 48.992   | ug/L   | 99       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_X  
 ClientSampleId :  
 VSTD050780

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM110424WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 06 01:38:34 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 69444    | 45.133 | ug/L   | 98       |
| 29) Cyclohexane               | 5.464  | 56   | 62203    | 34.421 | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 70801    | 37.527 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.672  | 117  | 56122    | 36.259 | ug/L   | 99       |
| 33) Benzene                   | 6.031  | 78   | 202574   | 45.633 | ug/L   | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 49950    | 41.853 | ug/L   | 95       |
| 35) Methylcyclohexane         | 7.373  | 83   | 63422    | 35.569 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 55344    | 46.802 | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.824  | 83   | 63445    | 42.183 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 80660    | 41.782 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 136111   | 84.568 | ug/L   | 96       |
| 42) Toluene                   | 8.720  | 91   | 212919   | 45.601 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 70067    | 39.804 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 56648    | 46.717 | ug/L   | 99       |
| 46) Tetrachloroethene         | 9.275  | 164  | 37157    | 43.253 | ug/L   | 94       |
| 48) 2-Hexanone                | 9.433  | 43   | 105049   | 87.316 | ug/L   | 97       |
| 49) Dibromochloromethane      | 9.519  | 129  | 48849    | 43.221 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 56940    | 45.479 | ug/L   | 95       |
| 51) Chlorobenzene             | 10.079 | 112  | 149010   | 48.831 | ug/L   | 96       |
| 52) Ethylbenzene              | 10.195 | 91   | 229992   | 45.316 | ug/L   | 97       |
| 53) m,p-Xylene                | 10.299 | 106  | 91419    | 46.662 | ug/L   | 98       |
| 54) o-Xylene                  | 10.640 | 106  | 95164    | 48.722 | ug/L   | 94       |
| 55) Styrene                   | 10.653 | 104  | 164477   | 50.622 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 84795    | 46.691 | ug/L   | 98       |
| 59) Bromoform                 | 10.799 | 173  | 31391    | 41.249 | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.963 | 105  | 223708   | 44.345 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 64886    | 45.946 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 191003   | 45.044 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 198881   | 47.106 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 110486   | 49.790 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 110517   | 49.448 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 112536   | 49.627 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 13379    | 37.834 | ug/L # | 68       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 71853    | 48.549 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 61284    | 45.161 | ug/L   | 97       |
| 71) Naphthalene               | 13.774 | 128  | 224955   | 44.640 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 64571    | 46.041 | ug/L   | 99       |

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

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