

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121121\  
 Data File : VX025758.D  
 Acq On : 11 Dec 2021 21:04  
 Operator : JC/MD  
 Sample : VSTDCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050729

Quant Time: Dec 12 06:37:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML112221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 11 00:48:07 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.769   | 114   | 93632    | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 91410    | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 44848    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 28471    | 44.556   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.120%  |
| 7) Chloroethane-d5            | 1.660   | 69    | 24771    | 46.969   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 93.940%  |
| 11) 1,1-Dichloroethene-d2     | 2.306   | 63    | 52773    | 51.797   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 103.600% |
| 21) 2-Butanone-d5             | 4.465   | 46    | 47670    | 100.217  | ug/L   | 0.01     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 100.220% |
| 24) Chloroform-d              | 5.068   | 84    | 58236    | 52.146   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.300% |
| 26) 1,2-Dichloroethane-d4     | 5.958   | 65    | 37323    | 53.617   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 107.240% |
| 32) Benzene-d6                | 5.983   | 84    | 110577   | 45.643   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.280%  |
| 36) 1,2-Dichloropropane-d6    | 7.312   | 67    | 33820    | 45.088   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 90.180%  |
| 41) Toluene-d8                | 8.653   | 98    | 105043   | 45.936   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.880%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 16358    | 43.377   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.760%  |
| 47) 2-Hexanone-d5             | 9.391   | 63    | 35268    | 90.327   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 90.330%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 52274    | 49.312   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.620%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 40979    | 46.587   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.180%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 28064    | 51.076   | ug/L   | 100      |
| 3) Chloromethane              | 1.294   | 50    | 27537    | 48.556   | ug/L   | 97       |
| 5) Vinyl chloride             | 1.374   | 62    | 31799    | 48.030   | ug/L   | 98       |
| 6) Bromomethane               | 1.599   | 94    | 21164    | 61.105   | ug/L   | 98       |
| 8) Chloroethane               | 1.685   | 64    | 21599    | 48.972   | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 1.886   | 101   | 55223    | 53.451   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331   | 101   | 28869    | 53.208   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.319   | 96    | 25728    | 51.170   | ug/L   | 89       |
| 13) Acetone                   | 2.386   | 43    | 31988    | 81.785   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.514   | 76    | 60166    | 48.667   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.709   | 43    | 34560    | 54.674   | ug/L # | 90       |
| 16) Methylene chloride        | 2.794   | 84    | 30425    | 52.319   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 3.093   | 96    | 27557    | 50.908   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.117   | 73    | 96669    | 52.543   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.611   | 63    | 52721    | 54.385   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.495   | 96    | 33062    | 51.831   | ug/L   | 97       |
| 22) 2-Butanone                | 4.562   | 43    | 51072    | 98.735   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.910   | 128   | 17327    | 51.415   | ug/L   | 99       |
| 25) Chloroform                | 5.099   | 83    | 59991    | 56.866   | ug/L   | 100      |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050729

Quant Time: Dec 12 06:37:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM112221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 11 00:48:07 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.092  | 62   | 45769    | 59.649  | ug/L   | 96       |
| 29) Cyclohexane               | 5.477  | 56   | 41977    | 44.824  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 5.391  | 97   | 52356    | 51.885  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.684  | 117  | 46908    | 52.056  | ug/L   | 99       |
| 33) Benzene                   | 6.044  | 78   | 118798   | 48.648  | ug/L   | 100      |
| 34) Trichloroethene           | 7.129  | 95   | 31695    | 49.346  | ug/L   | 96       |
| 35) Methylcyclohexane         | 7.385  | 83   | 43189    | 42.722  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 7.434  | 63   | 30005    | 48.987  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.824  | 83   | 46538    | 54.559  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 8.372  | 75   | 47500    | 47.613  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 8.580  | 43   | 101238   | 103.508 | ug/L   | 99       |
| 42) Toluene                   | 8.720  | 91   | 132148   | 49.069  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.982  | 75   | 46136    | 48.116  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 33137    | 50.980  | ug/L   | 97       |
| 46) Tetrachloroethene         | 9.275  | 164  | 23640    | 43.399  | ug/L   | 96       |
| 48) 2-Hexanone                | 9.433  | 43   | 80917    | 103.007 | ug/L   | 97       |
| 49) Dibromochloromethane      | 9.525  | 129  | 39934    | 53.304  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 34873    | 50.338  | ug/L   | 98       |
| 51) Chlorobenzene             | 10.079 | 112  | 88421    | 49.774  | ug/L   | 97       |
| 52) Ethylbenzene              | 10.195 | 91   | 146711   | 50.689  | ug/L   | 97       |
| 53) m,p-Xylene                | 10.305 | 106  | 56815    | 48.460  | ug/L   | 97       |
| 54) o-Xylene                  | 10.646 | 106  | 57159    | 48.705  | ug/L   | 94       |
| 55) Styrene                   | 10.659 | 104  | 98561    | 50.542  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 53642    | 53.444  | ug/L   | 97       |
| 59) Bromoform                 | 10.805 | 173  | 29750    | 53.762  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.963 | 105  | 149794   | 51.971  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 11.244 | 75   | 43502    | 56.703  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 125638   | 52.117  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 125243   | 51.419  | ug/L # | 80       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 67026    | 50.644  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 66894    | 50.039  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 69449    | 51.895  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 12510    | 58.672  | ug/L   | 81       |
| 69) 1,3,5-Trichlorobenzene    | 13.115 | 180  | 43841    | 45.535  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 36790    | 45.459  | ug/L   | 99       |
| 71) Naphthalene               | 13.780 | 128  | 142251   | 51.857  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 39795    | 48.000  | ug/L   | 99       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM112221WMA.M  
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