

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072022\  
 Data File : VX030128.D  
 Acq On : 20 Jul 2022 12:41  
 Operator : JC/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050762

Quant Time: Jul 21 06:59:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML071922WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 21 06:57:25 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 267775   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 246494   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 129962   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 94938    | 45.454   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 90.900%  |
| 7) Chloroethane-d5            | 1.666   | 69    | 74332    | 51.427   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 102.860% |
| 11) 1,1-Dichloroethene-d2     | 2.307   | 63    | 204189   | 50.541   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 101.080% |
| 21) 2-Butanone-d5             | 4.465   | 46    | 229208   | 111.588  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 111.590% |
| 24) Chloroform-d              | 5.062   | 84    | 220952   | 52.105   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.200% |
| 26) 1,2-Dichloroethane-d4     | 5.958   | 65    | 137443   | 51.809   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.620% |
| 32) Benzene-d6                | 5.977   | 84    | 454401   | 50.081   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.160% |
| 36) 1,2-Dichloropropane-d6    | 7.312   | 67    | 147200   | 50.590   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 101.180% |
| 41) Toluene-d8                | 8.653   | 98    | 410731   | 49.613   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.220%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 64543    | 52.233   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 104.460% |
| 47) 2-Hexanone-d5             | 9.385   | 63    | 160464   | 109.975  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 109.980% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 205301   | 52.877   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 105.760% |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 154315   | 51.223   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 102.440% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.167   | 85    | 120387   | 53.688   | ug/L   | 98       |
| 3) Chloromethane              | 1.288   | 50    | 103722   | 51.755   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.374   | 62    | 108589   | 51.976   | ug/L   | 98       |
| 6) Bromomethane               | 1.605   | 94    | 49531    | 52.558   | ug/L   | 98       |
| 8) Chloroethane               | 1.685   | 64    | 61251    | 53.128   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.886   | 101   | 147575   | 54.566   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.325   | 101   | 104892   | 54.861   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.319   | 96    | 98975    | 53.692   | ug/L # | 82       |
| 13) Acetone                   | 2.386   | 43    | 126782   | 110.872  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.508   | 76    | 269808   | 52.008   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.709   | 43    | 144951   | 55.657   | ug/L   | 99       |
| 16) Methylene chloride        | 2.788   | 84    | 115244   | 51.790   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 3.093   | 96    | 105754   | 53.912   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.117   | 73    | 329286   | 54.489   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.611   | 63    | 196208   | 54.721   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.489   | 96    | 122066   | 53.594   | ug/L   | 98       |
| 22) 2-Butanone                | 4.562   | 43    | 215474   | 110.211  | ug/L   | 100      |
| 23) Bromochloromethane        | 4.904   | 128   | 59501    | 52.498   | ug/L   | 98       |
| 25) Chloroform                | 5.099   | 83    | 201799   | 54.221   | ug/L   | 99       |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050762

Quant Time: Jul 21 06:59:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML071922WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 21 06:57:25 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.092  | 62   | 153824   | 55.030  | ug/L  | 99       |
| 29) Cyclohexane               | 5.471  | 56   | 184700   | 54.635  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.391  | 97   | 163644   | 53.959  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.684  | 117  | 136619   | 54.687  | ug/L  | 97       |
| 33) Benzene                   | 6.044  | 78   | 466589   | 54.364  | ug/L  | 100      |
| 34) Trichloroethene           | 7.129  | 95   | 124805   | 54.291  | ug/L  | 98       |
| 35) Methylcyclohexane         | 7.385  | 83   | 197292   | 57.049  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 7.434  | 63   | 120098   | 53.466  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.824  | 83   | 148429   | 54.007  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 173389   | 53.998  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 414427   | 113.419 | ug/L  | 99       |
| 42) Toluene                   | 8.720  | 91   | 492844   | 55.303  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.982  | 75   | 164499   | 54.704  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 114758   | 53.385  | ug/L  | 97       |
| 46) Tetrachloroethene         | 9.275  | 164  | 84431    | 53.016  | ug/L  | 97       |
| 48) 2-Hexanone                | 9.433  | 43   | 332140   | 113.194 | ug/L  | 99       |
| 49) Dibromochloromethane      | 9.525  | 129  | 115276   | 53.593  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 120803   | 52.921  | ug/L  | 98       |
| 51) Chlorobenzene             | 10.080 | 112  | 304699   | 54.416  | ug/L  | 97       |
| 52) Ethylbenzene              | 10.195 | 91   | 530184   | 55.817  | ug/L  | 98       |
| 53) m,p-Xylene                | 10.305 | 106  | 204280   | 55.171  | ug/L  | 95       |
| 54) o-Xylene                  | 10.647 | 106  | 201702   | 56.098  | ug/L  | 99       |
| 55) Styrene                   | 10.659 | 104  | 350190   | 56.536  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 182111   | 53.683  | ug/L  | 98       |
| 59) Bromoform                 | 10.799 | 173  | 78531    | 51.735  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.964 | 105  | 523030   | 54.908  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.244 | 75   | 153754   | 53.333  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 444745   | 56.503  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 447823   | 57.062  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 228953   | 54.644  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 230877   | 54.810  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 232131   | 54.460  | ug/L  | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 47626    | 55.009  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 13.116 | 180  | 156190   | 55.209  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 141022   | 56.791  | ug/L  | 99       |
| 71) Naphthalene               | 13.780 | 128  | 587737   | 57.855  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 146154   | 55.399  | ug/L  | 100      |

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

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