

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071223\  
 Data File : VX036508.D  
 Acq On : 12 Jul 2023 11:17  
 Operator : JC/MD  
 Sample : VSTD20048  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD200648

Quant Time: Jul 13 01:05:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML071223WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 13 01:02:46 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.763  | 114  | 301728   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 272252   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152  | 141095   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.367  | 65   | 471529   | 219.088 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.660  | 69   | 480495   | 203.197 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.306  | 65   | 209391   | 228.015 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.458  | 46   | 662558   | 440.791 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.056  | 84   | 868322   | 222.167 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.958  | 65   | 554137   | 207.585 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.976  | 84   | 1703469  | 221.010 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.312  | 67   | 545113   | 223.111 | ug/L  | 0.00     |
| 41) Toluene-d8                | 8.653  | 98   | 1580579  | 214.813 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.951  | 79   | 275031   | 236.435 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 9.384  | 63   | 482552   | 449.050 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195 | 84   | 699940   | 217.752 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.323 | 152  | 574801   | 214.454 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85   | 467798   | 222.278 | ug/L  | 99       |
| 3) Chloromethane              | 1.294  | 50   | 521214   | 209.478 | ug/L  | 98       |
| 5) Vinyl chloride             | 1.374  | 62   | 548069   | 212.359 | ug/L  | 100      |
| 6) Bromomethane               | 1.611  | 94   | 546367   | 224.050 | ug/L  | 98       |
| 8) Chloroethane               | 1.678  | 64   | 403894   | 213.731 | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.886  | 101  | 888625   | 217.590 | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331  | 101  | 441150   | 228.069 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.319  | 96   | 422026   | 223.119 | ug/L  | 96       |
| 13) Acetone                   | 2.386  | 43   | 421279   | 369.554 | ug/L  | 99       |
| 14) Carbon disulfide          | 2.514  | 76   | 1172197  | 231.067 | ug/L  | 99       |
| 15) Methyl Acetate            | 2.703  | 43   | 478159   | 210.976 | ug/L  | 100      |
| 16) Methylene chloride        | 2.788  | 84   | 440594   | 211.107 | ug/L  | 97       |
| 17) trans-1,2-Dichloroethene  | 3.093  | 96   | 425256   | 223.214 | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 3.111  | 73   | 1426873  | 215.422 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.611  | 63   | 800054   | 214.630 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.489  | 96   | 483849   | 217.300 | ug/L  | 98       |
| 22) 2-Butanone                | 4.556  | 43   | 676369   | 407.983 | ug/L  | 98       |
| 23) Bromochloromethane        | 4.897  | 128  | 233915   | 210.170 | ug/L  | 96       |
| 25) Chloroform                | 5.092  | 83   | 831891   | 212.509 | ug/L  | 97       |
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 649950   | 209.895 | ug/L  | 97       |
| 29) Cyclohexane               | 5.470  | 56   | 685292   | 227.642 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 710739   | 224.632 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 622975   | 234.941 | ug/L  | 100      |
| 33) Benzene                   | 6.043  | 78   | 1707031  | 214.731 | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 480862   | 221.775 | ug/L  | 98       |
| 35) Methylcyclohexane         | 7.385  | 83   | 729063   | 230.873 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 7.433  | 63   | 474470   | 217.087 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.824  | 83   | 620062   | 227.514 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 792649   | 230.165 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 1310267  | 430.112 | ug/L  | 100      |
| 42) Toluene                   | 8.720  | 91   | 1817304  | 214.874 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 739812   | 233.294 | ug/L  | 99       |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD200648

Quant Time: Jul 13 01:05:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML071223WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 13 01:02:46 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 444849   | 214.150 | ug/L  | 99       |
| 46) Tetrachloroethene         | 9.275  | 164  | 340910   | 221.286 | ug/L  | 97       |
| 48) 2-Hexanone                | 9.433  | 43   | 987248   | 414.696 | ug/L  | 98       |
| 49) Dibromochloromethane      | 9.525  | 129  | 483693   | 231.942 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 484701   | 217.682 | ug/L  | 99       |
| 51) Chlorobenzene             | 10.079 | 112  | 1172290  | 213.188 | ug/L  | 97       |
| 52) Ethylbenzene              | 10.195 | 91   | 2021100  | 217.147 | ug/L  | 98       |
| 53) m,p-Xylene                | 10.305 | 106  | 783809   | 220.702 | ug/L  | 97       |
| 54) o-Xylene                  | 10.640 | 106  | 774691   | 219.950 | ug/L  | 98       |
| 55) Styrene                   | 10.659 | 104  | 1292990  | 220.206 | ug/L  | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 687769   | 213.144 | ug/L  | 98       |
| 59) Bromoform                 | 10.799 | 173  | 345946   | 224.323 | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.963 | 105  | 1996220  | 210.467 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 539067   | 202.383 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 1683863  | 212.416 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 1673484  | 210.465 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 903983   | 213.038 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 909150   | 212.214 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 889782   | 211.347 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 159806   | 225.150 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.115 | 180  | 618709   | 219.743 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 582896   | 219.442 | ug/L  | 99       |
| 71) Naphthalene               | 13.774 | 128  | 1973486  | 217.753 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 572651   | 221.266 | ug/L  | 98       |

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

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