

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102823\  
 Data File : VX038619.D  
 Acq On : 27 Oct 2023 22:46  
 Operator : JC/MD  
 Sample : VSTD05052  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050652

Quant Time: Oct 28 02:24:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML102823WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 28 02:22:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.763  | 114  | 417120   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 413536   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152  | 237069   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.368  | 65   | 148468   | 49.684  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.666  | 69   | 116955   | 38.144  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.306  | 65   | 65596    | 51.001  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.452  | 46   | 233391   | 112.315 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.056  | 84   | 304905   | 55.682  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.958  | 65   | 187291   | 51.068  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.977  | 84   | 589283   | 50.619  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.312  | 67   | 172305   | 47.463  | ug/L  | 0.00     |
| 41) Toluene-d8                | 8.647  | 98   | 583392   | 51.823  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.952  | 79   | 85730    | 49.313  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 9.384  | 63   | 203220   | 121.028 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189 | 84   | 280627   | 56.833  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.317 | 152  | 241759   | 53.285  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85   | 177703   | 57.186  | ug/L  | 100      |
| 3) Chloromethane              | 1.301  | 50   | 135955   | 41.871  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.374  | 62   | 151554   | 43.741  | ug/L  | 100      |
| 6) Bromomethane               | 1.605  | 94   | 110248   | 35.804  | ug/L  | 100      |
| 8) Chloroethane               | 1.685  | 64   | 91540    | 38.434  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.886  | 101  | 246955   | 44.265  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331  | 101  | 149111   | 53.398  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.319  | 96   | 137347   | 51.955  | ug/L  | 100      |
| 13) Acetone                   | 2.373  | 43   | 153715   | 101.017 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.514  | 76   | 380459   | 53.160  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.703  | 43   | 158206   | 51.905  | ug/L  | 100      |
| 16) Methylene chloride        | 2.788  | 84   | 149426   | 52.345  | ug/L  | 100      |
| 17) trans-1,2-Dichloroethene  | 3.093  | 96   | 143624   | 54.137  | ug/L  | 100      |
| 18) Methyl tert-butyl Ether   | 3.111  | 73   | 443479   | 50.027  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.611  | 63   | 242241   | 48.330  | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 4.489  | 96   | 167502   | 54.411  | ug/L  | 100      |
| 22) 2-Butanone                | 4.556  | 43   | 234816   | 105.187 | ug/L  | 100      |
| 23) Bromochloromethane        | 4.897  | 128  | 89130    | 57.697  | ug/L  | 100      |
| 25) Chloroform                | 5.093  | 83   | 279173   | 52.262  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 220910   | 52.704  | ug/L  | 100      |
| 29) Cyclohexane               | 5.471  | 56   | 212100   | 45.930  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 245304   | 50.888  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.678  | 117  | 220315   | 53.422  | ug/L  | 100      |
| 33) Benzene                   | 6.037  | 78   | 582197   | 49.203  | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 169383   | 51.405  | ug/L  | 100      |
| 35) Methylcyclohexane         | 7.379  | 83   | 247230   | 49.801  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 7.434  | 63   | 146813   | 46.068  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.824  | 83   | 204100   | 50.325  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 231202   | 46.050  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 439322   | 98.502  | ug/L  | 100      |
| 42) Toluene                   | 8.720  | 91   | 663067   | 51.888  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 221784   | 47.818  | ug/L  | 100      |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050652

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 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 28 02:22:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 164239   | 52.792  | ug/L  | 100      |
| 46) Tetrachloroethene         | 9.275  | 164  | 140682   | 57.590  | ug/L  | 100      |
| 48) 2-Hexanone                | 9.427  | 43   | 354889   | 101.631 | ug/L  | 100      |
| 49) Dibromochloromethane      | 9.519  | 129  | 174088   | 55.245  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 184563   | 54.707  | ug/L  | 100      |
| 51) Chlorobenzene             | 10.079 | 112  | 446820   | 53.464  | ug/L  | 100      |
| 52) Ethylbenzene              | 10.195 | 91   | 748388   | 52.781  | ug/L  | 100      |
| 53) m,p-Xylene                | 10.299 | 106  | 296698   | 54.485  | ug/L  | 100      |
| 54) o-Xylene                  | 10.640 | 106  | 284113   | 53.131  | ug/L  | 100      |
| 55) Styrene                   | 10.653 | 104  | 493248   | 55.067  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 274519   | 55.962  | ug/L  | 100      |
| 59) Bromoform                 | 10.799 | 173  | 139201   | 54.010  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.963 | 105  | 774200   | 49.121  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 208146   | 48.499  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 654143   | 49.791  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 641313   | 49.087  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 377718   | 53.027  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 383863   | 53.234  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 369774   | 52.569  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 66149    | 55.470  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 13.115 | 180  | 272224   | 56.204  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 255666   | 55.955  | ug/L  | 100      |
| 71) Naphthalene               | 13.774 | 128  | 785541   | 52.294  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 248947   | 55.882  | ug/L  | 100      |

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

