

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121923\  
 Data File : VX039342.D  
 Acq On : 19 Dec 2023 09:27  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050710

Quant Time: Dec 19 21:59:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 18 22:55:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.757          | 114  | 211366     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.049         | 117  | 198282     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 99333      | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 70811      | 42.713   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 85.420%  |       |          |
| 7) Chloroethane-d5            | 1.666          | 69   | 54099      | 44.149   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 88.300%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.307          | 65   | 35228      | 48.408   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 96.820%  |       |          |
| 21) 2-Butanone-d5             | 4.440          | 46   | 159939     | 106.578  | ug/L  | -0.01    |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 106.580% |       |          |
| 24) Chloroform-d              | 5.056          | 84   | 147663     | 50.315   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 100.640% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.952          | 65   | 102264     | 53.805   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 107.620% |       |          |
| 32) Benzene-d6                | 5.970          | 84   | 288252     | 47.105   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.200%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 7.306          | 67   | 94244      | 47.856   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 95.720%  |       |          |
| 41) Toluene-d8                | 8.647          | 98   | 258370     | 46.590   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.180%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.946          | 79   | 45540      | 45.441   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 90.880%  |       |          |
| 47) 2-Hexanone-d5             | 9.378          | 63   | 116525     | 99.067   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 99.070%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 143279     | 51.287   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 102.580% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.317         | 152  | 91327      | 48.641   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.280%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166          | 85   | 93167      | 55.272   | ug/L  | 99       |
| 3) Chloromethane              | 1.294          | 50   | 92914      | 52.737   | ug/L  | 99       |
| 5) Vinyl chloride             | 1.374          | 62   | 87849      | 50.592   | ug/L  | 97       |
| 6) Bromomethane               | 1.605          | 94   | 52766      | 56.299   | ug/L  | 96       |
| 8) Chloroethane               | 1.691          | 64   | 48675      | 49.584   | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.892          | 101  | 126038     | 56.006   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331          | 101  | 83023      | 57.353   | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 2.319          | 96   | 72589      | 53.310   | ug/L  | 95       |
| 13) Acetone                   | 2.374          | 43   | 153542     | 106.504  | ug/L  | 96       |
| 14) Carbon disulfide          | 2.514          | 76   | 211574     | 48.829   | ug/L  | 100      |
| 15) Methyl Acetate            | 2.697          | 43   | 116143     | 56.363   | ug/L  | 98       |
| 16) Methylene chloride        | 2.788          | 84   | 83058      | 53.091   | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 3.093          | 96   | 75362      | 52.529   | ug/L  | 94       |
| 18) Methyl tert-butyl Ether   | 3.111          | 73   | 270789     | 54.224   | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.605          | 63   | 154205     | 54.359   | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 4.483          | 96   | 87290      | 52.456   | ug/L  | 93       |
| 22) 2-Butanone                | 4.544          | 43   | 184223     | 104.123  | ug/L  | 99       |
| 23) Bromochloromethane        | 4.897          | 128  | 40633      | 51.944   | ug/L  | 100      |
| 25) Chloroform                | 5.086          | 83   | 158826     | 56.133   | ug/L  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121923\  
 Data File : VX039342.D  
 Acq On : 19 Dec 2023 09:27  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050710

Quant Time: Dec 19 21:59:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 18 22:55:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.080  | 62   | 130861   | 58.598  | ug/L # | 94       |
| 29) Cyclohexane               | 5.471  | 56   | 142403   | 51.340  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 130103   | 54.079  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 106284   | 52.951  | ug/L   | 100      |
| 33) Benzene                   | 6.038  | 78   | 328307   | 52.102  | ug/L   | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 89341    | 53.650  | ug/L   | 98       |
| 35) Methylcyclohexane         | 7.379  | 83   | 141426   | 50.993  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 7.428  | 63   | 89689    | 51.322  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.818  | 83   | 113992   | 53.629  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 8.360  | 75   | 142339   | 51.068  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 8.568  | 43   | 314126   | 107.251 | ug/L   | 98       |
| 42) Toluene                   | 8.714  | 91   | 347822   | 52.053  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 134112   | 51.850  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 9.147  | 97   | 83900    | 52.388  | ug/L   | 98       |
| 46) Tetrachloroethene         | 9.269  | 164  | 58151    | 52.936  | ug/L   | 95       |
| 48) 2-Hexanone                | 9.427  | 43   | 262243   | 106.978 | ug/L   | 98       |
| 49) Dibromochloromethane      | 9.519  | 129  | 80451    | 51.564  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 9.604  | 107  | 89644    | 52.247  | ug/L   | 99       |
| 51) Chlorobenzene             | 10.079 | 112  | 214973   | 52.084  | ug/L   | 99       |
| 52) Ethylbenzene              | 10.189 | 91   | 399309   | 53.454  | ug/L   | 98       |
| 53) m,p-Xylene                | 10.299 | 106  | 143921   | 51.529  | ug/L   | 97       |
| 54) o-Xylene                  | 10.640 | 106  | 138995   | 51.863  | ug/L   | 97       |
| 55) Styrene                   | 10.653 | 104  | 242852   | 52.959  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 147649   | 52.827  | ug/L   | 99       |
| 59) Bromoform                 | 10.799 | 173  | 55321    | 47.387  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.957 | 105  | 389612   | 53.678  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 116099   | 53.355  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 328877   | 53.669  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 319828   | 53.227  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 162834   | 52.414  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 12.036 | 146  | 163319   | 51.878  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 155030   | 52.167  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 36165    | 53.253  | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 109099   | 53.101  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 100053   | 51.657  | ug/L   | 99       |
| 71) Naphthalene               | 13.774 | 128  | 340132   | 51.205  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 96917    | 51.678  | ug/L   | 99       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121923\  
 Data File : VX039342.D  
 Acq On : 19 Dec 2023 09:27  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050710

Quant Time: Dec 19 21:59:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 18 22:55:37 2023  
 Response via : Initial Calibration

