

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070424\  
 Data File : VX042179.D  
 Acq On : 03 Jul 2024 22:11  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050741

Quant Time: Jul 04 05:03:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML070324WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 04 04:57:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 291160   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 266469   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 143927   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 80129    | 47.281   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 94.560%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 50036    | 46.892   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 93.780%  |
| 11) 1,1-Dichloroethene-d2     | 2.294   | 65    | 35433    | 47.772   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.540%  |
| 21) 2-Butanone-d5             | 4.465   | 46    | 117702   | 96.375   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 96.370%  |
| 24) Chloroform-d              | 5.056   | 84    | 163548   | 47.996   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 96616    | 48.037   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.080%  |
| 32) Benzene-d6                | 5.970   | 84    | 337621   | 49.018   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.040%  |
| 36) 1,2-Dichloropropane-d6    | 7.312   | 67    | 102513   | 49.457   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 98.920%  |
| 41) Toluene-d8                | 8.647   | 98    | 314105   | 48.937   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.880%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 44051    | 49.173   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 98.340%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 94800    | 100.758  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 100.760% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 150237   | 49.027   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.060%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 137631   | 49.233   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.460%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 99111    | 47.589   | ug/L   | 99       |
| 3) Chloromethane              | 1.301   | 50    | 99671    | 47.358   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.374   | 62    | 100533   | 48.566   | ug/L   | 100      |
| 6) Bromomethane               | 1.599   | 94    | 53800    | 47.697   | ug/L   | 99       |
| 8) Chloroethane               | 1.666   | 64    | 52237    | 50.627   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.874   | 101   | 126213   | 46.848   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319   | 101   | 89824    | 48.380   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.306   | 96    | 85284    | 48.494   | ug/L   | 99       |
| 13) Acetone                   | 2.392   | 43    | 75328    | 90.414   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.502   | 76    | 218761   | 50.001   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.709   | 43    | 100814   | 47.624   | ug/L   | 99       |
| 16) Methylene chloride        | 2.788   | 84    | 100411   | 46.277   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.087   | 96    | 88326    | 48.831   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.117   | 73    | 289838   | 49.000   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.605   | 63    | 157950   | 48.628   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.483   | 96    | 102731   | 48.343   | ug/L   | 98       |
| 22) 2-Butanone                | 4.568   | 43    | 136841   | 98.121   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.897   | 128   | 55615    | 48.971   | ug/L   | 99       |
| 25) Chloroform                | 5.093   | 83    | 164745   | 48.374   | ug/L   | 98       |

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 MSVOA\_X  
 ClientSampleId :  
 VSTD050741

Quant Time: Jul 04 05:03:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML070324WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 04 04:57:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 122101   | 48.378 | ug/L  | 98       |
| 29) Cyclohexane               | 5.471  | 56   | 142152   | 49.361 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 142184   | 49.010 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.672  | 117  | 126423   | 49.889 | ug/L  | 100      |
| 33) Benzene                   | 6.037  | 78   | 364196   | 48.875 | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 95688    | 49.023 | ug/L  | 99       |
| 35) Methylcyclohexane         | 7.379  | 83   | 148771   | 50.268 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 94279    | 49.311 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.824  | 83   | 116321   | 49.682 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 140688   | 49.974 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 270448   | 99.172 | ug/L  | 99       |
| 42) Toluene                   | 8.720  | 91   | 397319   | 49.971 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 127746   | 50.611 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 101004   | 49.373 | ug/L  | 99       |
| 46) Tetrachloroethene         | 9.275  | 164  | 90767    | 49.680 | ug/L  | 99       |
| 48) 2-Hexanone                | 9.433  | 43   | 208140   | 97.190 | ug/L  | 99       |
| 49) Dibromochloromethane      | 9.519  | 129  | 104298   | 50.060 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 109912   | 50.026 | ug/L  | 99       |
| 51) Chlorobenzene             | 10.079 | 112  | 269682   | 49.410 | ug/L  | 99       |
| 52) Ethylbenzene              | 10.195 | 91   | 433857   | 50.212 | ug/L  | 99       |
| 53) m,p-Xylene                | 10.299 | 106  | 176023   | 50.613 | ug/L  | 100      |
| 54) o-Xylene                  | 10.640 | 106  | 175352   | 50.475 | ug/L  | 99       |
| 55) Styrene                   | 10.653 | 104  | 295797   | 51.100 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 158787   | 48.360 | ug/L  | 100      |
| 59) Bromoform                 | 10.799 | 173  | 89301    | 49.499 | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 451533   | 50.108 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 121044   | 47.362 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 345183   | 50.376 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 375236   | 51.098 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 224522   | 49.682 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 224279   | 49.062 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 226148   | 48.613 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 31953    | 48.840 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 166694   | 50.766 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 150515   | 50.398 | ug/L  | 98       |
| 71) Naphthalene               | 13.774 | 128  | 471412   | 51.060 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 157375   | 49.868 | ug/L  | 99       |

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

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