Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
Data File : VV038714.D
Acq On  : 17 Mar 2025  13:17
Operator  : SY/MD
Sample  : VSTD05015
Misc  : 5.0mL/MSVOA_V/WATER
ALS Vial  : 4  Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050215

Quant Time: Mar 17 13:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title  : VOC Analysis
QLast Update : Mon Mar 17 13:51:31 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Difluorobenzene | 5.529 | 114 | 382319 | 50.00 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 8.776 | 117 | 408382 | 50.00 | ug/L | | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.175 | 152 | 229275 | 50.00 | ug/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 4) Vinyl Chloride-d3 | 1.278 | 65 | 192433 | 60.24 | ug/L | | 0.00 |
| 7) Chloroethane-d5 | 1.529 | 69 | 160934 | 59.79 | ug/L | | 0.00 |
| 11) 1,1-Dichloroethene-d2 | 2.053 | 65 | 82162 | 60.67 | ug/L | | 0.00 |
| 21) 2-Butanone-d5 | 3.783 | 46 | 147949 | 97.32 | ug/L | | 0.00 |
| 24) Chloroform-d | 4.240 | 84 | 354912 | 61.06 | ug/L | | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 4.934 | 65 | 211611 | 61.67 | ug/L | | 0.00 |
| 32) Benzene-d6 | 4.950 | 84 | 684826 | 58.20 | ug/L | | 0.00 |
| 36) 1,2-Dichloropropane-d6 | 5.982 | 67 | 217798 | 59.53 | ug/L | | 0.00 |
| 41) Toluene-d8 | 7.236 | 98 | 627945 | 59.01 | ug/L | | 0.00 |
| 43) trans-1,3-Dichloroprop... | 7.545 | 79 | 91943 | 51.96 | ug/L | | 0.00 |
| 47) 2-Hexanone-d5 | 8.018 | 63 | 93586 | 83.76 | ug/L | | 0.00 |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143 | 84 | 267399 | 52.26 | ug/L | | 0.00 |
| 66) 1,2-Dichlorobenzene-d4 | 11.551 | 152 | 221315 | 49.93 | ug/L | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.105 | 85 | 155749 | 44.36 | ug/L | | 99 |
| 3) Chloromethane | 1.217 | 50 | 206210 | 56.61 | ug/L | | 100 |
| 5) Vinyl chloride | 1.281 | 62 | 212960 | 57.32 | ug/L | | 91 |
| 6) Bromomethane | 1.484 | 94 | 112817 | 49.01 | ug/L | | 99 |
| 8) Chloroethane | 1.545 | 64 | 136695 | 58.15 | ug/L | | 99 |
| 9) Trichlorofluoromethane | 1.709 | 101 | 271212 | 55.35 | ug/L | | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063 | 101 | 158471 | 56.17 | ug/L | | 96 |
| 12) 1,1-Dichloroethene | 2.066 | 96 | 153885 | 57.27 | ug/L | | 89 |
| 13) Acetone | 2.108 | 43 | 128347 | 61.21 | ug/L | | 96 |
| 14) Carbon disulfide | 2.236 | 76 | 477214 | 53.97 | ug/L | | 99 |
| 15) Methyl Acetate | 2.368 | 43 | 153176 | 56.44 | ug/L | | 94 |
| 16) Methylene chloride | 2.442 | 84 | 190517 | 58.76 | ug/L | | 91 |
| 17) trans-1,2-Dichloroethene | 2.690 | 96 | 164908 | 56.28 | ug/L | | 96 |
| 18) Methyl tert-butyl Ether | 2.699 | 73 | 467017 | 55.19 | ug/L | | 98 |
| 19) 1,1-Dichloroethane | 3.105 | 63 | 337301 | 62.77 | ug/L | | 99 |
| 20) cis-1,2-Dichloroethene | 3.809 | 96 | 176935 | 57.42 | ug/L | | 94 |
| 22) 2-Butanone | 3.863 | 43 | 153692 | 77.13 | ug/L | | 100 |
| 23) Bromochloromethane | 4.140 | 128 | 95115 | 56.79 | ug/L | | 84 |
| 25) Chloroform | 4.268 | 83 | 342725 | 61.10 | ug/L | | 100 |
| 27) 1,2-Dichloroethane | 5.034 | 62 | 263852 | 64.49 | ug/L | | 99 |
| 29) Cyclohexane | 4.574 | 56 | 286058 | 65.20 | ug/L | | 94 |
| 30) 1,1,1-Trichloroethane | 4.503 | 97 | 281226 | 54.49 | ug/L | | 95 |
| 31) Carbon tetrachloride | 4.725 | 117 | 245548 | 54.14 | ug/L | | 98 |
| 33) Benzene | 5.002 | 78 | 732613 | 59.43 | ug/L | | 100 |
| 34) Trichloroethene | 5.825 | 95 | 180149 | 54.70 | ug/L | | 98 |
| 35) Methylcyclohexane | 6.043 | 83 | 272089 | 57.54 | ug/L | | 95 |
| 37) 1,2-Dichloropropane | 6.085 | 63 | 206038 | 64.29 | ug/L | # | 97 |
| 38) Bromodichloromethane | 6.426 | 83 | 258413 | 58.09 | ug/L | | 100 |
| 39) cis-1,3-Dichloropropene | 6.947 | 75 | 272648 | 54.82 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 7.149 | 43 | 370911 | 103.40 | ug/L | | 95 |
| 42) Toluene | 7.307 | 91 | 782165 | 61.08 | ug/L | | 98 |
| 44) trans-1,3-Dichloropropene | 7.574 | 75 | 277393 | 57.73 | ug/L | | 97 |

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Acq On  : 17 Mar 2025  13:17
Operator  : SY/MD
Sample  : VSTD05015
Misc  : 5.0mL/MSVOA_V/WATER
ALS Vial  : 4  Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050215

Quant Time: Mar 17 13:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title  : VOC Analysis
QLast Update : Mon Mar 17 13:51:31 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 45) 1,1,2-Trichloroethane | 7.760 | 97 | 183957 | 55.32 | ug/L | 98 |
| 46) Tetrachloroethene | 7.895 | 164 | 126793 | 49.87 | ug/L | 98 |
| 48) 2-Hexanone | 8.069 | 43 | 254539 | 85.05 | ug/L | 94 |
| 49) Dibromochloromethane | 8.169 | 129 | 182618 | 53.24 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.275 | 107 | 180612 | 51.54 | ug/L | 96 |
| 51) Chlorobenzene | 8.805 | 112 | 488039 | 55.46 | ug/L | 98 |
| 52) Ethylbenzene | 8.937 | 91 | 838603 | 61.05 | ug/L | 99 |
| 53) m,p-Xylene | 9.066 | 106 | 316019 | 60.70 | ug/L | 99 |
| 54) o-Xylene | 9.471 | 106 | 300601 | 60.02 | ug/L | 98 |
| 55) Styrene | 9.487 | 104 | 557131 | 63.36 | ug/L | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83 | 277745 | 53.77 | ug/L | 98 |
| 59) Bromoform | 9.657 | 173 | 112207 | 45.52 | ug/L | 99 |
| 60) Isopropylbenzene | 9.857 | 105 | 816811 | 58.26 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 10.201 | 75 | 202860 | 50.82 | ug/L | 97 |
| 62) 1,3,5-Trimethylbenzene | 10.468 | 105 | 634285 | 56.38 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 10.844 | 105 | 653911 | 59.13 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 11.107 | 146 | 380139 | 52.82 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.201 | 146 | 398819 | 52.13 | ug/L | 100 |
| 67) 1,2-Dichlorobenzene | 11.567 | 146 | 387807 | 52.86 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 12.355 | 75 | 47098 | 44.77 | ug/L | 91 |
| 69) 1,3,5-Trichlorobenzene | 12.574 | 180 | 234761 | 47.83 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.188 | 180 | 195782 | 47.34 | ug/L | 97 |
| 71) Naphthalene | 13.429 | 128 | 518865 | 46.28 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 13.670 | 180 | 203246 | 50.10 | ug/L | 100 |

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

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Data File : VV038714.D
Acq On  : 17 Mar 2025  13:17
Operator  : SY/MD
Sample  : VSTD05015
Misc  : 5.0mL/MSVOA_V/WATER
ALS Vial  : 4  Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050215

Quant Time: Mar 17 13:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
Quant Title  : VOC Analysis
QLast Update : Mon Mar 17 13:51:31 2025
Response via : Initial Calibration