

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW012821\  
 Data File : VW020189.D  
 Acq On : 27 Jan 2021 13:33  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05081

Quant Time: Jan 28 05:44:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM012821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 27 12:43:03 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                         |                |      |                    |        |        |          |
| Internal Standards            |                |      |                    |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.621          | 114  | 924880             | 50.00  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.855          | 117  | 917170             | 50.00  | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.254         | 152  | 522829             | 50.00  | ug/L   | 0.00     |
|                               |                |      |                    |        |        |          |
| System Monitoring Compounds   |                |      |                    |        |        |          |
| 4) Vinyl Chloride-d3          | 1.306          | 65   | 361850             | 56.33  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 112.66% |        |        |          |
| 7) Chloroethane-d5            | 1.569          | 69   | 287726             | 58.23  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 116.46% |        |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.110          | 63   | 515725             | 55.10  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 110.20% |        |        |          |
| 21) 2-Butanone-d5             | 3.897          | 46   | 423404             | 104.45 | ug/L   | 0.01     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 104.45% |        |        |          |
| 24) Chloroform-d              | 4.354          | 84   | 586339             | 50.67  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 101.34% |        |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.035          | 65   | 364478             | 48.71  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 97.42%  |        |        |          |
| 32) Benzene-d6                | 5.055          | 84   | 1155613            | 48.69  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 97.38%  |        |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.074          | 67   | 351268             | 48.03  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 96.06%  |        |        |          |
| 41) Toluene-d8                | 7.318          | 98   | 1104914            | 49.99  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 99.98%  |        |        |          |
| 43) trans-1,3-Dichloroprop... | 7.624          | 79   | 184514             | 51.48  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 102.96% |        |        |          |
| 47) 2-Hexanone-d5             | 8.090          | 63   | 345402             | 106.91 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 106.91% |        |        |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.222         | 84   | 554564             | 55.84  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 111.68% |        |        |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.630         | 152  | 514760             | 51.43  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 102.86% |        |        |          |
|                               |                |      |                    |        |        |          |
| Target Compounds              |                |      |                    |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.129          | 85   | 339337             | 50.80  | ug/L   | 100      |
| 3) Chloromethane              | 1.241          | 50   | 385816             | 52.53  | ug/L   | 100      |
| 5) Vinyl chloride             | 1.312          | 62   | 370987             | 54.66  | ug/L   | 100      |
| 6) Bromomethane               | 1.524          | 94   | 223323             | 57.42  | ug/L   | 98       |
| 8) Chloroethane               | 1.585          | 64   | 230837             | 57.43  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.753          | 101  | 459819             | 49.17  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.119          | 101  | 240167             | 50.71  | ug/L # | 83       |
| 12) 1,1-Dichloroethene        | 2.119          | 96   | 246661             | 53.98  | ug/L   | 75       |
| 13) Acetone                   | 2.193          | 43   | 259698             | 111.23 | ug/L   | 94       |
| 14) Carbon disulfide          | 2.296          | 76   | 746452             | 50.33  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.438          | 43   | 302361             | 49.40  | ug/L   | 96       |
| 16) Methylene chloride        | 2.508          | 84   | 293984             | 49.32  | ug/L   | 90       |
| 17) trans-1,2-Dichloroethene  | 2.762          | 96   | 284196             | 50.57  | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 2.772          | 73   | 896467             | 50.38  | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.193          | 63   | 510531             | 48.94  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.913          | 96   | 314794             | 50.41  | ug/L   | 86       |
| 22) 2-Butanone                | 3.981          | 43   | 423719             | 95.29  | ug/L   | 95       |
| 23) Bromochloromethane        | 4.254          | 128  | 172040             | 51.57  | ug/L # | 78       |
| 25) Chloroform                | 4.380          | 83   | 546489             | 48.97  | ug/L   | 98       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05081

Quant Time: Jan 28 05:44:28 2021  
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 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 27 12:43:03 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 27) 1,2-Dichloroethane        | 5.135  | 62   | 409775   | 46.04 | ug/L   | 96       |
| 29) Cyclohexane               | 4.682  | 56   | 423315   | 44.02 | ug/L   | 93       |
| 30) 1,1,1-Trichloroethane     | 4.611  | 97   | 486511   | 45.91 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 4.833  | 117  | 427182   | 46.57 | ug/L   | 99       |
| 33) Benzene                   | 5.103  | 78   | 1163783  | 46.42 | ug/L   | 100      |
| 34) Trichloroethene           | 5.920  | 95   | 313080   | 46.57 | ug/L   | 90       |
| 35) Methylcyclohexane         | 6.135  | 83   | 439991   | 44.78 | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.177  | 63   | 299131   | 47.79 | ug/L # | 97       |
| 38) Bromodichloromethane      | 6.515  | 83   | 406403   | 46.61 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.032  | 75   | 493790   | 49.32 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.228  | 43   | 844882   | 93.59 | ug/L # | 94       |
| 42) Toluene                   | 7.392  | 91   | 1291158  | 48.39 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.653  | 75   | 475107   | 49.15 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.842  | 97   | 312086   | 49.94 | ug/L   | 95       |
| 46) Tetrachloroethene         | 7.981  | 164  | 282447   | 49.94 | ug/L   | 91       |
| 48) 2-Hexanone                | 8.142  | 43   | 663674   | 99.85 | ug/L # | 92       |
| 49) Dibromochloromethane      | 8.251  | 129  | 357347   | 50.95 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.357  | 107  | 340561   | 50.42 | ug/L # | 100      |
| 51) Chlorobenzene             | 8.887  | 112  | 881884   | 49.84 | ug/L   | 96       |
| 52) Ethylbenzene              | 9.016  | 91   | 1486746  | 51.97 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.145  | 106  | 566356   | 50.84 | ug/L   | 95       |
| 54) o-xylene                  | 9.550  | 106  | 574162   | 54.22 | ug/L   | 96       |
| 55) Styrene                   | 9.566  | 104  | 1027468  | 55.08 | ug/L   | 95       |
| 56) Isopropylbenzene          | 9.936  | 105  | 1573248  | 55.16 | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane | 10.248 | 83   | 546096   | 53.21 | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane    | 10.280 | 75   | 442090   | 52.93 | ug/L   | 98       |
| 61) Bromoform                 | 9.736  | 173  | 293250   | 52.23 | ug/L # | 97       |
| 62) 1,3-Dichlorobenzene       | 11.186 | 146  | 778103   | 51.43 | ug/L   | 97       |
| 63) 1,4-Dichlorobenzene       | 11.280 | 146  | 799076   | 50.96 | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene       | 11.649 | 146  | 787025   | 49.96 | ug/L   | 96       |
| 66) 1,2-Dibromo-3-chloropr... | 12.437 | 75   | 133732   | 53.70 | ug/L # | 78       |
| 67) 1,3,5-Trichlorobenzene    | 12.653 | 180  | 647856   | 48.98 | ug/L   | 97       |
| 68) 1,2,4-trichlorobenzene    | 13.270 | 180  | 603538   | 50.16 | ug/L   | 96       |
| 69) Naphthalene               | 13.511 | 128  | 1809129  | 52.65 | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene    | 13.752 | 180  | 602406   | 50.36 | ug/L   | 97       |
| -----                         |        |      |          |       |        |          |

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

