

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW020221\  
 Data File : VW020232.D  
 Acq On : 02 Feb 2021 11:49  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05083

Quant Time: Feb 03 02:20:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM012821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 28 05:47:43 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.617  | 114  | 942619   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.855  | 117  | 930312   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.254 | 152  | 473508   | 50.00 | ug/L  | 0.00     |

|                               |         |       |          |          |      |         |
|-------------------------------|---------|-------|----------|----------|------|---------|
| System Monitoring Compounds   |         |       |          |          |      |         |
| 4) Vinyl Chloride-d3          | 1.309   | 65    | 309642   | 47.30    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =    | 94.60%  |
| 7) Chloroethane-d5            | 1.569   | 69    | 254986   | 50.63    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =    | 101.26% |
| 11) 1,1-Dichloroethene-d2     | 2.110   | 63    | 489302   | 51.30    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =    | 102.60% |
| 21) 2-Butanone-d5             | 3.884   | 46    | 382144   | 92.50    | ug/L | -0.01   |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =    | 92.50%  |
| 24) Chloroform-d              | 4.347   | 84    | 584597   | 49.57    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 99.14%  |
| 26) 1,2-Dichloroethane-d4     | 5.032   | 65    | 370044   | 48.52    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 97.04%  |
| 32) Benzene-d6                | 5.051   | 84    | 1099849  | 45.68    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 91.36%  |
| 36) 1,2-Dichloropropane-d6    | 6.071   | 67    | 344128   | 46.39    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =    | 92.78%  |
| 41) Toluene-d8                | 7.315   | 98    | 1034346  | 46.14    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =    | 92.28%  |
| 43) trans-1,3-Dichloroprop... | 7.621   | 79    | 176642   | 48.59    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =    | 97.18%  |
| 47) 2-Hexanone-d5             | 8.090   | 63    | 280496   | 85.59    | ug/L | 0.00    |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =    | 85.59%  |
| 57) 1,1,2,2-Tetrachloroeth... | 10.222  | 84    | 465682   | 46.23    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =    | 92.46%  |
| 64) 1,2-Dichlorobenzene-d4    | 11.630  | 152   | 454045   | 50.09    | ug/L | 0.00    |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =    | 100.18% |

|                               |       |     |        |        |        |     |
|-------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds              |       |     |        | Qvalue |        |     |
| 2) Dichlorodifluoromethane    | 1.129 | 85  | 342380 | 50.29  | ug/L   | 100 |
| 3) Chloromethane              | 1.241 | 50  | 339708 | 45.38  | ug/L   | 99  |
| 5) Vinyl chloride             | 1.312 | 62  | 338211 | 48.90  | ug/L   | 100 |
| 6) Bromomethane               | 1.524 | 94  | 197239 | 49.76  | ug/L   | 97  |
| 8) Chloroethane               | 1.585 | 64  | 208471 | 50.89  | ug/L   | 99  |
| 9) Trichlorofluoromethane     | 1.753 | 101 | 501061 | 52.57  | ug/L   | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.116 | 101 | 252943 | 52.40  | ug/L # | 84  |
| 12) 1,1-Dichloroethene        | 2.119 | 96  | 229817 | 49.35  | ug/L   | 71  |
| 13) Acetone                   | 2.180 | 43  | 267922 | 112.59 | ug/L   | 98  |
| 14) Carbon disulfide          | 2.293 | 76  | 754386 | 49.90  | ug/L   | 99  |
| 15) Methyl Acetate            | 2.434 | 43  | 284097 | 45.54  | ug/L   | 94  |
| 16) Methylene chloride        | 2.508 | 84  | 294841 | 48.53  | ug/L   | 93  |
| 17) trans-1,2-Dichloroethene  | 2.759 | 96  | 277553 | 48.46  | ug/L   | 96  |
| 18) Methyl tert-butyl Ether   | 2.769 | 73  | 864833 | 47.69  | ug/L   | 98  |
| 19) 1,1-Dichloroethane        | 3.190 | 63  | 524456 | 49.33  | ug/L   | 99  |
| 20) cis-1,2-Dichloroethene    | 3.910 | 96  | 300225 | 47.17  | ug/L   | 90  |
| 22) 2-Butanone                | 3.968 | 43  | 408191 | 90.07  | ug/L   | 100 |
| 23) Bromochloromethane        | 4.248 | 128 | 164015 | 48.24  | ug/L # | 85  |
| 25) Chloroform                | 4.376 | 83  | 547613 | 48.15  | ug/L   | 97  |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05083

Quant Time: Feb 03 02:20:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM012821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 28 05:47:43 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.132  | 62   | 433023   | 47.74 | ug/L   | 99       |
| 29) Cyclohexane               | 4.679  | 56   | 445818   | 45.71 | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 4.608  | 97   | 496930   | 46.24 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.830  | 117  | 437796   | 47.05 | ug/L   | 100      |
| 33) Benzene                   | 5.100  | 78   | 1139153  | 44.80 | ug/L   | 100      |
| 34) Trichloroethene           | 5.913  | 95   | 316880   | 46.47 | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.132  | 83   | 468834   | 47.05 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.174  | 63   | 300005   | 47.25 | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.511  | 83   | 412970   | 46.69 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.029  | 75   | 479787   | 47.25 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.225  | 43   | 790631   | 86.35 | ug/L   | 97       |
| 42) Toluene                   | 7.389  | 91   | 1240866  | 45.85 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.653  | 75   | 464012   | 47.32 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.839  | 97   | 296116   | 46.72 | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.977  | 164  | 268325   | 46.77 | ug/L   | 93       |
| 48) 2-Hexanone                | 8.138  | 43   | 629893   | 93.43 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.248  | 129  | 340023   | 47.80 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.354  | 107  | 316126   | 46.14 | ug/L # | 98       |
| 51) Chlorobenzene             | 8.884  | 112  | 814084   | 45.35 | ug/L   | 97       |
| 52) Ethylbenzene              | 9.016  | 91   | 1387141  | 47.81 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.141  | 106  | 533286   | 47.20 | ug/L   | 95       |
| 54) o-xylene                  | 9.547  | 106  | 513467   | 47.80 | ug/L   | 97       |
| 55) Styrene                   | 9.563  | 104  | 925744   | 48.93 | ug/L   | 96       |
| 56) Isopropylbenzene          | 9.936  | 105  | 1395386  | 48.23 | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane | 10.247 | 83   | 458206   | 44.02 | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane    | 10.276 | 75   | 376612   | 44.45 | ug/L   | 99       |
| 61) Bromoform                 | 9.736  | 173  | 262383   | 51.60 | ug/L # | 98       |
| 62) 1,3-Dichlorobenzene       | 11.186 | 146  | 715835   | 52.24 | ug/L   | 97       |
| 63) 1,4-Dichlorobenzene       | 11.280 | 146  | 677948   | 47.74 | ug/L   | 96       |
| 65) 1,2-Dichlorobenzene       | 11.649 | 146  | 704988   | 49.41 | ug/L   | 96       |
| 66) 1,2-Dibromo-3-chloropr... | 12.437 | 75   | 79866    | 35.41 | ug/L # | 55       |
| 67) 1,3,5-Trichlorobenzene    | 12.652 | 180  | 545668   | 45.56 | ug/L   | 97       |
| 68) 1,2,4-trichlorobenzene    | 13.270 | 180  | 532134   | 48.83 | ug/L   | 96       |
| 69) Naphthalene               | 13.511 | 128  | 1470812  | 47.26 | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene    | 13.752 | 180  | 536636   | 49.53 | ug/L   | 98       |

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

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ALS Vial : 1 Sample Multiplier: 1

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Quant Title : VOC Analysis  
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