

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102121\  
 Data File : VW022949.D  
 Acq On : 21 Oct 2021 10:28  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050362

Manual Integrations  
 APPROVED

MMDadoda  
 10/25/2021 11:49:02 AM

Quant Time: Oct 22 03:38:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM100121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 13 01:15:35 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616   | 114   | 312603   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 304622   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 176805   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307   | 65    | 109458   | 56.617   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 113.240% |
| 7) Chloroethane-d5            | 1.568   | 69    | 66938    | 44.046   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 88.100%  |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63    | 169395   | 44.436   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.880%  |
| 21) 2-Butanone-d5             | 3.883   | 46    | 124992   | 117.452  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 117.450% |
| 24) Chloroform-d              | 4.346   | 84    | 175232   | 49.609   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.220%  |
| 26) 1,2-Dichloroethane-d4     | 5.031   | 65    | 108943   | 53.168   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 106.340% |
| 32) Benzene-d6                | 5.047   | 84    | 369969   | 52.425   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.860% |
| 36) 1,2-Dichloropropane-d6    | 6.069   | 67    | 114446   | 52.679   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 105.360% |
| 41) Toluene-d8                | 7.314   | 98    | 344099   | 53.156   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 106.320% |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 55553    | 54.046   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 108.100% |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 90695    | 100.775  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 100.780% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214  | 84    | 158118   | 52.340   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 104.680% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 144512   | 50.121   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.240% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 151516   | 48.464   | ug/L   | 99       |
| 3) Chloromethane              | 1.240   | 50    | 146068   | 46.985   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.311   | 62    | 149853   | 50.853   | ug/L   | 98       |
| 6) Bromomethane               | 1.523   | 94    | 110331   | 53.625   | ug/L   | 100      |
| 8) Chloroethane               | 1.584   | 64    | 75266    | 41.879   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.751   | 101   | 181267   | 44.787   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118   | 101   | 102899   | 44.913   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.118   | 96    | 95795    | 43.869   | ug/L   | 98       |
| 13) Acetone                   | 2.172   | 43    | 152976m  | 113.795  | ug/L   |          |
| 14) Carbon disulfide          | 2.294   | 76    | 336232   | 50.973   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.430   | 43    | 125040   | 50.988   | ug/L   | 97       |
| 16) Methylene chloride        | 2.507   | 84    | 132136   | 48.162   | ug/L   | 100      |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 122188   | 50.974   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 355960   | 48.099   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.188   | 63    | 218674   | 51.557   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.909   | 96    | 129496   | 50.709   | ug/L   | 97       |
| 22) 2-Butanone                | 3.963   | 43    | 183134   | 103.462  | ug/L   | 85       |
| 23) Bromochloromethane        | 4.246   | 128   | 71782    | 51.164   | ug/L   | 92       |
| 25) Chloroform                | 4.372   | 83    | 232943   | 54.579   | ug/L   | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 161261   | 52.179  | ug/L  | 99       |
| 29) Cyclohexane               | 4.677  | 56   | 192890   | 54.325  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 194901   | 51.218  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 175050   | 52.363  | ug/L  | 100      |
| 33) Benzene                   | 5.098  | 78   | 494644   | 52.590  | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 127057   | 51.737  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.130  | 83   | 207160   | 55.632  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 127690   | 53.023  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.507  | 83   | 165267   | 52.833  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 191753   | 52.946  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.224  | 43   | 317344   | 93.786  | ug/L  | 100      |
| 42) Toluene                   | 7.384  | 91   | 538674   | 54.368  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 188565   | 54.077  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 124685   | 50.017  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.973  | 164  | 111646   | 54.305  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.137  | 43   | 263679   | 101.887 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 143787   | 53.300  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 134025   | 49.936  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.879  | 112  | 349996   | 53.108  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 563988   | 54.694  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.137  | 106  | 224393   | 54.924  | ug/L  | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 214199   | 53.814  | ug/L  | 99       |
| 55) Styrene                   | 9.561  | 104  | 388694   | 56.903  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 192633   | 49.997  | ug/L  | 99       |
| 59) Bromoform                 | 9.731  | 173  | 105782   | 48.386  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 570771   | 50.740  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 150549   | 44.774  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.539 | 105  | 478532   | 50.524  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 492542   | 52.311  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.182 | 146  | 290377   | 50.881  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 298205   | 50.312  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.645 | 146  | 287450   | 49.286  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 40693    | 44.172  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.645 | 180  | 223230   | 52.643  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 199094   | 52.212  | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 615971   | 49.057  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 205710   | 52.195  | ug/L  | 99       |

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

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