

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW083121\  
 Data File : VW022046.D  
 Acq On : 31 Aug 2021 17:20  
 Operator : SY/MD  
 Sample : M3579-20MSD  
 Misc : 6.43g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GB6C0MSD

Manual Integrations  
 APPROVED

Quant Time: Sep 01 02:46:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 01 02:41:24 2021  
 Response via : Initial Calibration

MMDadoda

9/1/2021 12:30:14 PM

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613   | 114   | 366679   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857   | 117   | 361282   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152   | 211843   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301   | 65    | 64975    | 25.588   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 51.180%# |
| 7) Chloroethane-d5            | 1.529   | 69    | 20723    | 10.450   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 20.900%# |
| 11) 1,1-Dichloroethene-d2     | 2.079   | 63    | 133363   | 31.756   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 63.520%  |
| 21) 2-Butanone-d5             | 3.892   | 46    | 161139   | 92.529   | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 92.530%  |
| 24) Chloroform-d              | 4.346   | 84    | 173172   | 37.401   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 74.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65    | 106947   | 39.214   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 78.420%  |
| 32) Benzene-d6                | 5.043   | 84    | 329073   | 33.582   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 67.160%# |
| 36) 1,2-Dichloropropane-d6    | 6.069   | 67    | 112769   | 36.593   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 73.180%  |
| 41) Toluene-d8                | 7.317   | 98    | 295285   | 31.922   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 63.840%# |
| 43) trans-1,3-Dichloroprop... | 7.625   | 79    | 54454    | 37.125   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 74.260%  |
| 47) 2-Hexanone-d5             | 8.101   | 63    | 127695   | 107.992  | ug/L   | 0.01     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 107.990% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.223  | 84    | 197854   | 50.130   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 100.260% |
| 66) 1,2-Dichlorobenzene-d4    | 11.628  | 152   | 155597   | 37.362   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 74.720%# |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.121   | 85    | 107209   | 42.535   | ug/L   | 100      |
| 3) Chloromethane              | 1.233   | 50    | 123048   | 46.104   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.304   | 62    | 125101   | 46.505   | ug/L   | 98       |
| 6) Bromomethane               | 1.491   | 94    | 38088    | 23.550   | ug/L   | 99       |
| 8) Chloroethane               | 1.545   | 64    | 24628    | 14.635   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.693   | 101   | 181480   | 47.374   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.082   | 101   | 101799   | 45.307   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.085   | 96    | 97166    | 45.940   | ug/L # | 80       |
| 13) Acetone                   | 2.175   | 43    | 118968m  | 81.532   | ug/L   |          |
| 14) Carbon disulfide          | 2.262   | 76    | 277999   | 43.559   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.429   | 43    | 142080   | 50.000   | ug/L   | 100      |
| 16) Methylene chloride        | 2.491   | 84    | 134237   | 47.371   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 2.741   | 96    | 121880   | 47.659   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.773   | 73    | 395807   | 48.706   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.175   | 63    | 220815   | 48.480   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.902   | 96    | 138448   | 48.641   | ug/L   | 97       |
| 22) 2-Butanone                | 3.973   | 43    | 179513   | 87.522   | ug/L   | 89       |
| 23) Bromochloromethane        | 4.240   | 128   | 73386    | 48.413   | ug/L   | 97       |
| 25) Chloroform                | 4.371   | 83    | 236609   | 49.073   | ug/L   | 99       |

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 Sample : M3579-20MSD  
 Misc : 6.43g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GB6C0MSD

Manual Integrations  
 APPROVED

Quant Time: Sep 01 02:46:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 01 02:41:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 162672   | 50.331  | ug/L  | 99       |
| 29) Cyclohexane               | 4.664  | 56   | 180915   | 44.796  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.600  | 97   | 195545   | 45.541  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 165353   | 44.822  | ug/L  | 100      |
| 33) Benzene                   | 5.092  | 78   | 496564   | 47.241  | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 134374   | 45.132  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.127  | 83   | 193248   | 44.398  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 128621   | 47.206  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.513  | 83   | 161292   | 46.289  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 199788   | 47.493  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.236  | 43   | 391956   | 106.109 | ug/L  | 100      |
| 42) Toluene                   | 7.387  | 91   | 537878   | 47.412  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 188486   | 48.142  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.844  | 97   | 137408   | 49.564  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.976  | 164  | 105854   | 45.723  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.153  | 43   | 300263   | 104.765 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.249  | 129  | 142133   | 47.895  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 146640   | 49.284  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.883  | 112  | 368555   | 48.319  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.014  | 91   | 588422   | 47.914  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.140  | 106  | 231578   | 48.515  | ug/L  | 99       |
| 54) o-Xylene                  | 9.548  | 106  | 226832   | 48.028  | ug/L  | 98       |
| 55) Styrene                   | 9.564  | 104  | 407465   | 50.553  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.249 | 83   | 224014   | 55.769  | ug/L  | 99       |
| 59) Bromoform                 | 9.738  | 173  | 104536   | 46.461  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.934  | 105  | 614566   | 46.169  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.278 | 75   | 177517   | 48.350  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105  | 515739   | 46.150  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 536634   | 47.244  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.185 | 146  | 315826   | 46.730  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.278 | 146  | 321623   | 46.505  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.648 | 146  | 322539   | 48.063  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.432 | 75   | 42683    | 48.237  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 233739   | 46.252  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 202735   | 45.604  | ug/L  | 99       |
| 71) Naphthalene               | 13.506 | 128  | 606009   | 47.388  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 201468   | 46.463  | ug/L  | 99       |

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

