

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\  
 Data File : VV018778.D  
 Acq On : 08 Oct 2020 22:15  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV65

Quant Time: Oct 09 07:26:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 08 23:51:03 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 325603   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 305679   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 170000   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 147158   | 49.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.48%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 119287   | 50.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.18% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 281759   | 49.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.80%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 196792   | 108.33   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 108.33% |
| 24) Chloroform-d               | 4.37    | 84    | 256148   | 49.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.14%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 178841   | 50.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.08% |
| 32) Benzene-d6                 | 5.07    | 84    | 520468   | 52.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.82% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 177676   | 55.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 110.78% |
| 41) Toluene-d8                 | 7.34    | 98    | 449597   | 51.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.96% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 81204    | 51.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 103.58% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 125273   | 111.43   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 111.43% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 190067   | 51.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.02% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 183487   | 48.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.54%  |

## Target Compounds

|                                |      |     |        |         | Ovalue   |
|--------------------------------|------|-----|--------|---------|----------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 100784 | 47.952  | ug/L 99  |
| 3) Chloromethane               | 1.25 | 50  | 132588 | 48.084  | ug/L 99  |
| 5) Vinyl chloride              | 1.32 | 62  | 135734 | 47.213  | ug/L 100 |
| 6) Bromomethane                | 1.53 | 94  | 80584  | 47.563  | ug/L 99  |
| 8) Chloroethane                | 1.59 | 64  | 89253  | 47.417  | ug/L 97  |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 201086 | 47.841  | ug/L 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 110610 | 47.261  | ug/L 98  |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 105531 | 46.830  | ug/L 97  |
| 13) Acetone                    | 2.18 | 43  | 136507 | 90.160  | ug/L 100 |
| 14) Carbon disulfide           | 2.31 | 76  | 296315 | 44.421  | ug/L 100 |
| 15) Methyl Acetate             | 2.44 | 43  | 132482 | 44.791  | ug/L 99  |
| 16) Methylene chloride         | 2.52 | 84  | 116706 | 42.070  | ug/L 99  |
| 17) trans-1,2-Dichloroethene   | 2.78 | 96  | 105935 | 44.536  | ug/L 98  |
| 18) Methyl tert-butyl Ether    | 2.78 | 73  | 365910 | 45.875  | ug/L 100 |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 219175 | 46.951  | ug/L 99  |
| 20) cis-1,2-Dichloroethene     | 3.94 | 96  | 119389 | 47.491  | ug/L 99  |
| 22) 2-Butanone                 | 3.99 | 43  | 180024 | 101.475 | ug/L 96  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\  
 Data File : VV018778.D  
 Acq On : 08 Oct 2020 22:15  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV65

Quant Time: Oct 09 07:26:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 08 23:51:03 2020  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|---------------------------------|-------|------|----------|---------|-------|----------|
| 23) Bromochloromethane          | 4.27  | 128  | 61466    | 47.161  | ug/L  | 95       |
| 25) Chloroform                  | 4.40  | 83   | 224660   | 46.892  | ug/L  | 99       |
| 27) 1,2-Dichloroethane          | 5.15  | 62   | 200074   | 51.330  | ug/L  | 100      |
| 29) Cyclohexane                 | 4.70  | 56   | 186127   | 50.280  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane       | 4.63  | 97   | 198099   | 48.624  | ug/L  | 100      |
| 31) Carbon tetrachloride        | 4.86  | 117  | 174094   | 50.700  | ug/L  | 100      |
| 33) Benzene                     | 5.13  | 78   | 506117   | 52.189  | ug/L  | 100      |
| 34) Trichloroethene             | 5.94  | 95   | 142987   | 51.229  | ug/L  | 99       |
| 35) Methylcyclohexane           | 6.15  | 83   | 176767   | 51.758  | ug/L  | 99       |
| 37) 1,2-Dichloropropane         | 6.20  | 63   | 139483   | 52.360  | ug/L  | 99       |
| 38) Bromodichloromethane        | 6.53  | 83   | 168654   | 49.851  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene     | 7.05  | 75   | 190115   | 50.518  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone        | 7.24  | 43   | 364401   | 105.261 | ug/L  | 100      |
| 42) Toluene                     | 7.41  | 91   | 497957   | 49.990  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene   | 7.67  | 75   | 194742   | 50.498  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane       | 7.86  | 97   | 115685   | 48.352  | ug/L  | 98       |
| 46) Tetrachloroethene           | 8.00  | 164  | 95674    | 46.772  | ug/L  | 98       |
| 48) 2-Hexanone                  | 8.16  | 43   | 284465   | 104.091 | ug/L  | 99       |
| 49) Dibromochloromethane        | 8.27  | 129  | 128254   | 49.044  | ug/L  | 99       |
| 50) 1,2-Dibromoethane           | 8.37  | 107  | 120464   | 49.229  | ug/L  | 99       |
| 51) Chlorobenzene               | 8.90  | 112  | 319682   | 48.354  | ug/L  | 99       |
| 52) Ethylbenzene                | 9.03  | 91   | 551348   | 48.741  | ug/L  | 100      |
| 53) m,p-Xylene                  | 9.16  | 106  | 203484   | 49.007  | ug/L  | 100      |
| 54) o-xylene                    | 9.56  | 106  | 198933   | 50.444  | ug/L  | 98       |
| 55) Styrene                     | 9.58  | 104  | 361362   | 51.771  | ug/L  | 98       |
| 56) Isopropylbenzene            | 9.95  | 105  | 530643   | 48.631  | ug/L  | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.26 | 83   | 165585   | 49.615  | ug/L  | 98       |
| 59) 1,2,3-Trichloropropane      | 10.29 | 75   | 152773   | 48.197  | ug/L  | 99       |
| 61) Bromoform                   | 9.75  | 173  | 91901    | 48.723  | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene         | 11.20 | 146  | 268543   | 48.453  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene         | 11.30 | 146  | 278640   | 48.330  | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene         | 11.67 | 146  | 262817   | 47.233  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan  | 12.45 | 75   | 38567    | 50.248  | ug/L  | 99       |
| 67) 1,3,5-Trichlorobenzene      | 12.67 | 180  | 173827   | 48.421  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene      | 13.28 | 180  | 166159   | 49.222  | ug/L  | 99       |
| 69) Naphthalene                 | 13.52 | 128  | 507984   | 53.409  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene      | 13.77 | 180  | 171182   | 51.084  | ug/L  | 99       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100920\  
Data File : VV018778.D  
Acq On : 08 Oct 2020 22:15  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VICV65

Quant Time: Oct 09 07:26:36 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 08 23:51:03 2020  
Response via : Initial Calibration

