

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070220\  
 Data File : VW015777.D  
 Acq On : 02 Jul 2020 10:25  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD02520

Quant Time: Jul 06 01:10:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062920S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 01 01:40:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 278667   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 263731   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 130984   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 107488   | 23.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.00%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 94323    | 25.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 102.12% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 202319   | 25.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 100.72% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 56824    | 59.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 119.04% |
| 24) Chloroform-d               | 7.65   | 84    | 204823   | 26.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.48% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 118368   | 26.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.16% |
| 29) Benzene-d6                 | 8.27   | 84    | 389630   | 24.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 115974   | 24.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.64%  |
| 37) Toluene-d8                 | 10.32  | 98    | 362165   | 24.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 99.00%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 52384    | 25.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 101.60% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 43623    | 57.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 115.00% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 100329   | 28.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 112.44% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 122703   | 24.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.64%  |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Ovalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane     | 2.01 | 85   | 78096    | 29.723 | ug/L  | 98     |
| 3) Chloromethane               | 2.21 | 50   | 76044    | 26.894 | ug/L  | 97     |
| 5) Vinyl chloride              | 2.37 | 62   | 118424   | 27.963 | ug/L  | 100    |
| 6) Bromomethane                | 2.79 | 94   | 78997    | 28.154 | ug/L  | 99     |
| 8) Chloroethane                | 2.93 | 64   | 75940    | 28.741 | ug/L  | 98     |
| 9) Trichlorofluoromethane      | 3.26 | 101  | 90908    | 29.355 | ug/L  | 98     |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.06 | 101  | 93876    | 27.960 | ug/L  | 98     |
| 12) 1,1-Dichloroethene         | 4.04 | 96   | 88866    | 27.419 | ug/L  | 85     |
| 13) Acetone                    | 4.13 | 43   | 53286    | 66.605 | ug/L  | 99     |
| 14) Carbon disulfide           | 4.39 | 76   | 279444   | 27.765 | ug/L  | 99     |
| 15) Methyl Acetate             | 4.68 | 43   | 43419    | 30.295 | ug/L  | 99     |
| 16) Methylene chloride         | 4.92 | 84   | 109908   | 26.880 | ug/L  | 99     |
| 17) Methyl tert-butyl Ether    | 5.43 | 73   | 136256   | 27.437 | ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 5.43 | 96   | 96177    | 27.642 | ug/L  | 99     |
| 19) 1,1-Dichloroethane         | 6.22 | 63   | 175894   | 28.039 | ug/L  | 99     |
| 21) 2-Butanone                 | 7.18 | 43   | 64394    | 65.109 | ug/L  | 98     |
| 22) cis-1,2-Dichloroethene     | 7.17 | 96   | 99889    | 27.773 | ug/L  | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070220\  
 Data File : VW015777.D  
 Acq On : 02 Jul 2020 10:25  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD02520

Quant Time: Jul 06 01:10:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062920S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 01 01:40:19 2020  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|---------------------------------|-------|------|----------|--------|--------|----------|
| 23) Bromochloromethane          | 7.52  | 128  | 45436    | 28.681 | ug/L   | 98       |
| 25) Chloroform                  | 7.68  | 83   | 180317   | 28.457 | ug/L   | 99       |
| 27) 1,2-Dichloroethane          | 8.40  | 62   | 127967   | 29.207 | ug/L   | 99       |
| 30) Cyclohexane                 | 7.96  | 56   | 157850   | 26.538 | ug/L   | 100      |
| 31) 1,1,1-Trichloroethane       | 7.87  | 97   | 154693   | 27.100 | ug/L   | 98       |
| 32) Carbon tetrachloride        | 8.07  | 117  | 140084   | 27.154 | ug/L   | 100      |
| 34) Benzene                     | 8.32  | 78   | 394425   | 27.232 | ug/L   | 100      |
| 35) Trichloroethene             | 9.09  | 95   | 103019   | 26.673 | ug/L   | 98       |
| 36) Methylcyclohexane           | 9.34  | 83   | 176884   | 26.552 | ug/L   | 99       |
| 40) 1,2-Dichloropropane         | 9.37  | 63   | 97596    | 27.685 | ug/L   | 99       |
| 41) Bromodichloromethane        | 9.65  | 83   | 126763   | 27.676 | ug/L   | 98       |
| 42) cis-1,3-Dichloropropene     | 10.07 | 75   | 150814   | 27.406 | ug/L   | 99       |
| 43) 4-Methyl-2-pentanone        | 10.21 | 43   | 123077   | 59.841 | ug/L   | 100      |
| 44) Toluene                     | 10.39 | 91   | 434131   | 27.589 | ug/L   | 97       |
| 45) trans-1,3-Dichloropropene   | 10.61 | 75   | 135182   | 28.224 | ug/L   | 99       |
| 46) 1,1,2-Trichloroethane       | 10.79 | 97   | 73170    | 28.752 | ug/L   | 98       |
| 47) Tetrachloroethene           | 10.87 | 164  | 82106    | 26.455 | ug/L   | 95       |
| 49) 2-Hexanone                  | 10.97 | 43   | 90287    | 62.317 | ug/L   | 97       |
| 50) Dibromochloromethane        | 11.13 | 129  | 84595    | 28.397 | ug/L   | 95       |
| 51) 1,2-Dibromoethane           | 11.24 | 107  | 70215    | 28.463 | ug/L   | 94       |
| 52) Chlorobenzene               | 11.66 | 112  | 269320   | 27.230 | ug/L   | 99       |
| 53) Ethylbenzene                | 11.73 | 91   | 488913   | 27.480 | ug/L   | 100      |
| 54) m,p-Xylene                  | 11.84 | 106  | 182183   | 27.396 | ug/L   | 96       |
| 55) o-xylene                    | 12.17 | 106  | 173499   | 27.299 | ug/L   | 98       |
| 56) Styrene                     | 12.18 | 104  | 303571   | 28.139 | ug/L   | 100      |
| 57) Isopropylbenzene            | 12.47 | 105  | 477076   | 27.176 | ug/L   | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 12.72 | 83   | 88949    | 29.373 | ug/L   | 97       |
| 59) 1,2,3-Trichloropropane      | 12.77 | 75   | 66944    | 29.270 | ug/L   | 99       |
| 62) Bromoform                   | 12.35 | 173  | 47464    | 28.247 | ug/L # | 97       |
| 63) 1,3-Dichlorobenzene         | 13.50 | 146  | 204041   | 26.261 | ug/L   | 100      |
| 64) 1,4-Dichlorobenzene         | 13.58 | 146  | 202592   | 26.174 | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene         | 13.87 | 146  | 184980   | 26.926 | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan  | 14.49 | 75   | 14401    | 29.268 | ug/L   | 90       |
| 67) 1,3,5-Trichlorobenzene      | 14.63 | 180  | 144371   | 27.094 | ug/L   | 100      |
| 68) 1,2,4-trichlorobenzene      | 15.13 | 180  | 112965   | 26.274 | ug/L   | 98       |
| 69) Naphthalene                 | 15.37 | 128  | 221097   | 28.107 | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene      | 15.56 | 180  | 100397   | 27.009 | ug/L   | 98       |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070220\  
Data File : VW015777.D  
Acq On : 02 Jul 2020 10:25  
Operator : SY/VA  
Sample : VSTDCCC025  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD02520

Quant Time: Jul 06 01:10:13 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062920S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 01 01:40:19 2020  
Response via : Initial Calibration

