

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\  
 Data File : VV017741.D  
 Acq On : 30 Jul 2020 10:27  
 Operator : SY/MD  
 Sample : VSTD01062  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01062

Manual Integrations  
 APPROVED

MMDadoda  
 7/31/2020 3:57:04 PM

Quant Time: Jul 31 02:07:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM073020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 31 01:58:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 339181   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 323348   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 173931   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 15944  | 8.05  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 13319  | 9.33  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.12  | 63  | 37530  | 9.08  | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 3.92  | 46  | 22112m | 14.58 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.38  | 84  | 41854  | 8.85  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.06  | 65  | 31406  | 9.56  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.08  | 84  | 71522  | 8.42  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.09  | 67  | 19615  | 7.80  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.34  | 98  | 68039  | 8.43  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.64  | 79  | 11894  | 8.01  | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 8.11  | 63  | 14676  | 13.01 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84  | 29912  | 8.36  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.65 | 152 | 32957  | 9.24  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 34112 | 9.771 ug/L   | 98     |
| 3) Chloromethane               | 1.25 | 50  | 22642 | 8.757 ug/L   | 97     |
| 5) Vinyl chloride              | 1.32 | 62  | 23198 | 9.229 ug/L   | 100    |
| 6) Bromomethane                | 1.53 | 94  | 13389 | 8.555 ug/L   | 98     |
| 8) Chloroethane                | 1.60 | 64  | 14349 | 10.699 ug/L  | 96     |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 47960 | 11.091 ug/L  | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 21783 | 10.350 ug/L  | 98     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 20051 | 10.287 ug/L  | 99     |
| 13) Acetone                    | 2.19 | 43  | 29074 | 19.853 ug/L  | 96     |
| 14) Carbon disulfide           | 2.31 | 76  | 61962 | 9.001 ug/L   | 97     |
| 15) Methyl Acetate             | 2.45 | 43  | 19131 | 8.177 ug/L   | 100    |
| 16) Methylene chloride         | 2.52 | 84  | 24462 | 9.681 ug/L   | 96     |
| 17) trans-1,2-Dichloroethene   | 2.78 | 96  | 22757 | 9.501 ug/L   | 94     |
| 18) Methyl tert-butyl Ether    | 2.78 | 73  | 71228 | 8.867 ug/L   | 98     |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 39257 | 9.155 ug/L   | 97     |
| 20) cis-1,2-Dichloroethene     | 3.94 | 96  | 23869 | 9.293 ug/L   | 93     |
| 22) 2-Butanone                 | 4.00 | 43  | 25619 | 14.859 ug/L  | 93     |
| 23) Bromochloromethane         | 4.28 | 128 | 12895 | 9.051 ug/L   | 95     |
| 25) Chloroform                 | 4.40 | 83  | 45213 | 9.645 ug/L   | 96     |
| 27) 1,2-Dichloroethane         | 5.16 | 62  | 38339 | 9.454 ug/L # | 93     |
| 29) Cyclohexane                | 4.70 | 56  | 31724 | 8.391 ug/L   | 98     |
| 30) 1,1,1-Trichloroethane      | 4.63 | 97  | 46529 | 10.380 ug/L  | 95     |
| 31) Carbon tetrachloride       | 4.86 | 117 | 42170 | 10.357 ug/L  | 99     |
| 33) Benzene                    | 5.13 | 78  | 85887 | 9.158 ug/L   | 100    |
| 34) Trichloroethene            | 5.94 | 95  | 24092 | 9.270 ug/L   | 95     |
| 35) Methylcyclohexane          | 6.15 | 83  | 34494 | 8.609 ug/L   | 96     |
| 37) 1,2-Dichloropropane        | 6.20 | 63  | 19227 | 8.151 ug/L # | 93     |
| 38) Bromodichloromethane       | 6.53 | 83  | 33446 | 9.334 ug/L   | 96     |
| 39) cis-1,3-Dichloropropene    | 7.05 | 75  | 33473 | 8.381 ug/L   | 96     |
| 40) 4-Methyl-2-pentanone       | 7.25 | 43  | 51587 | 15.985 ug/L  | 99     |

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 QLast Update : Fri Jul 31 01:58:34 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                    | 7.41  | 91   | 92346    | 8.924  | ug/L  | 95       |
| 44) trans-1,3-Dichloropropene  | 7.68  | 75   | 33781    | 8.365  | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane      | 7.86  | 97   | 22606    | 9.342  | ug/L  | 96       |
| 46) Tetrachloroethene          | 8.00  | 164  | 21196    | 9.553  | ug/L  | 99       |
| 48) 2-Hexanone                 | 8.16  | 43   | 39362    | 15.188 | ug/L  | 96       |
| 49) Dibromochloromethane       | 8.27  | 129  | 28189    | 9.390  | ug/L  | 99       |
| 50) 1,2-Dibromoethane          | 8.37  | 107  | 23491    | 8.941  | ug/L  | 90       |
| 51) Chlorobenzene              | 8.90  | 112  | 63161    | 9.168  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.03  | 91   | 102108   | 8.787  | ug/L  | 98       |
| 53) m,p-Xylene                 | 9.16  | 106  | 40916    | 9.201  | ug/L  | 92       |
| 54) o-xylene                   | 9.57  | 106  | 38731    | 8.969  | ug/L  | 94       |
| 55) Styrene                    | 9.58  | 104  | 64549    | 8.763  | ug/L  | 95       |
| 56) Isopropylbenzene           | 9.95  | 105  | 103265   | 8.819  | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 31808    | 8.503  | ug/L  | 97       |
| 59) 1,2,3-Trichloropropane     | 10.30 | 75   | 28126    | 8.952  | ug/L  | 99       |
| 61) Bromoform                  | 9.75  | 173  | 20280    | 9.050  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene        | 11.20 | 146  | 53961    | 9.334  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.30 | 146  | 54792    | 9.265  | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene        | 11.67 | 146  | 54558    | 9.320  | ug/L  | 95       |
| 66) 1,2-Dibromo-3-chloropropan | 12.45 | 75   | 8402     | 8.887  | ug/L  | 94       |
| 67) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 40896    | 8.919  | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene     | 13.28 | 180  | 33392    | 8.198  | ug/L  | 95       |
| 69) Naphthalene                | 13.53 | 128  | 82581    | 7.401  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 33754    | 8.352  | ug/L  | 99       |

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

