

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\  
 Data File : VV016357.D  
 Acq On : 30 May 2020 14:03  
 Operator : SY/MD  
 Sample : VSTD01036  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01036

Quant Time: Jun 01 03:29:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 01 03:25:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 78510    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 76713    | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 38671    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 71156  | 10.38  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 52905  | 10.30  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 124076 | 10.32  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.93  | 46  | 162575 | 109.19 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.38  | 84  | 121010 | 10.32  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.06  | 65  | 63231  | 10.34  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.08  | 84  | 231490 | 10.64  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.10  | 67  | 68968  | 10.52  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.34  | 98  | 215059 | 10.62  | ug/L | 0.00 |
| 45) trans-1,3-Dichloropropene- | 7.64  | 79  | 27338  | 11.04  | ug/L | 0.00 |
| 48) 2-Hexanone-d5              | 8.11  | 63  | 133381 | 116.08 | ug/L | 0.00 |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84  | 50979  | 10.72  | ug/L | 0.00 |
| 65) 1,2-Dichlorobenzene-d4     | 11.65 | 152 | 73208  | 10.52  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 65267  | 9.789 ug/L   | 100    |
| 3) Chloromethane               | 1.25 | 50  | 76863  | 9.915 ug/L   | 97     |
| 5) Vinyl chloride              | 1.32 | 62  | 72181  | 9.918 ug/L   | 99     |
| 6) Bromomethane                | 1.53 | 94  | 41187  | 10.251 ug/L  | 98     |
| 8) Chloroethane                | 1.60 | 64  | 41655  | 9.370 ug/L   | 96     |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 96946  | 9.743 ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 54408  | 9.778 ug/L   | 99     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 50349  | 9.660 ug/L   | 81     |
| 13) Acetone                    | 2.21 | 43  | 88989  | 100.088 ug/L | 99     |
| 14) Carbon disulfide           | 2.31 | 76  | 159448 | 10.141 ug/L  | 98     |
| 15) Methyl Acetate             | 2.46 | 43  | 22496  | 9.942 ug/L   | 97     |
| 16) Methylene chloride         | 2.53 | 84  | 52945  | 9.662 ug/L   | 97     |
| 17) Methyl tert-butyl Ether    | 2.79 | 73  | 123803 | 10.151 ug/L  | 98     |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 54575  | 10.005 ug/L  | 100    |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 108381 | 9.886 ug/L   | 98     |
| 21) 2-Butanone                 | 4.01 | 43  | 159098 | 102.425 ug/L | 99     |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96  | 60933  | 10.182 ug/L  | 97     |
| 23) Bromochloromethane         | 4.28 | 128 | 25015  | 10.351 ug/L  | 91     |
| 25) Chloroform                 | 4.41 | 83  | 110316 | 10.077 ug/L  | 100    |
| 27) 1,2-Dichloroethane         | 5.16 | 62  | 73023  | 9.978 ug/L   | 99     |
| 29) 1,1,1-Trichloroethane      | 4.63 | 97  | 96792  | 10.220 ug/L  | 99     |
| 30) Cyclohexane                | 4.70 | 56  | 103494 | 10.229 ug/L  | 97     |
| 31) Carbon tetrachloride       | 4.86 | 117 | 82290  | 10.036 ug/L  | 99     |
| 33) Benzene                    | 5.13 | 78  | 238187 | 10.173 ug/L  | 100    |
| 34) Trichloroethene            | 5.94 | 95  | 62121  | 10.070 ug/L  | 95     |
| 35) Methylcyclohexane          | 6.15 | 83  | 104415 | 10.606 ug/L  | 99     |
| 37) 1,2-Dichloropropane        | 6.20 | 63  | 59348  | 9.689 ug/L   | 99     |
| 38) Bromodichloromethane       | 6.53 | 83  | 73263  | 10.263 ug/L  | 97     |
| 39) cis-1,3-Dichloropropene    | 7.05 | 75  | 85641  | 10.951 ug/L  | 98     |
| 40) 4-Methyl-2-pentanone       | 7.25 | 43  | 387516 | 106.172 ug/L | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\  
 Data File : VV016357.D  
 Acq On : 30 May 2020 14:03  
 Operator : SY/MD  
 Sample : VSTD01036  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01036

Quant Time: Jun 01 03:29:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 01 03:25:25 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                    | 7.41  | 91   | 262621   | 10.229  | ug/L  | 100      |
| 43) 1,3,5-Trimethylbenzene     | 10.56 | 105  | 250217   | 10.613  | ug/L  | 100      |
| 44) 1,2,4-Trimethylbenzene     | 10.94 | 105  | 256816   | 10.775  | ug/L  | 99       |
| 46) trans-1,3-Dichloropropene  | 7.67  | 75   | 72536    | 10.793  | ug/L  | 98       |
| 47) 1,1,2-Trichloroethane      | 7.86  | 97   | 39188    | 10.294  | ug/L  | 97       |
| 49) Tetrachloroethene          | 8.00  | 164  | 45574    | 10.334  | ug/L  | 98       |
| 50) 2-Hexanone                 | 8.16  | 43   | 276083   | 106.419 | ug/L  | 100      |
| 51) Dibromochloromethane       | 8.27  | 129  | 43104    | 10.942  | ug/L  | 95       |
| 52) 1,2-Dibromoethane          | 8.37  | 107  | 37168    | 10.241  | ug/L  | 99       |
| 53) Chlorobenzene              | 8.90  | 112  | 159756   | 10.237  | ug/L  | 99       |
| 54) Ethylbenzene               | 9.03  | 91   | 294429   | 10.423  | ug/L  | 99       |
| 55) m,p-xylene                 | 9.16  | 106  | 110941   | 10.478  | ug/L  | 99       |
| 56) o-xylene                   | 9.57  | 106  | 104993   | 10.363  | ug/L  | 99       |
| 57) Styrene                    | 9.58  | 104  | 183940   | 10.530  | ug/L  | 98       |
| 58) Isopropylbenzene           | 9.95  | 105  | 292110   | 10.679  | ug/L  | 99       |
| 60) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 49205    | 10.403  | ug/L  | 98       |
| 62) Bromoform                  | 9.75  | 173  | 18305    | 10.899  | ug/L  | 99       |
| 63) 1,3-Dichlorobenzene        | 11.20 | 146  | 126350   | 10.098  | ug/L  | 100      |
| 64) 1,4-Dichlorobenzene        | 11.30 | 146  | 127758   | 10.259  | ug/L  | 97       |
| 66) 1,2-Dichlorobenzene        | 11.67 | 146  | 115543   | 10.282  | ug/L  | 99       |
| 67) 1,2-Dibromo-3-chloropropan | 12.45 | 75   | 7749     | 10.670  | ug/L  | 94       |
| 68) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 91789    | 10.282  | ug/L  | 99       |
| 69) 1,2,4-trichlorobenzene     | 13.29 | 180  | 78342    | 10.552  | ug/L  | 100      |
| 70) Naphthalene                | 13.53 | 128  | 154004   | 10.657  | ug/L  | 100      |
| 71) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 71419    | 10.581  | ug/L  | 99       |

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

