

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\  
 Data File : VU038889.D  
 Acq On : 15 Jun 2020 13:21  
 Operator : SY/MD  
 Sample : VSTD01006  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01006

Quant Time: Jun 15 13:43:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061520WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 15 13:39:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 293241   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 300536   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 159133   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 137406 | 8.60   | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 126749 | 9.87   | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 334813 | 9.21   | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.68  | 46  | 507940 | 101.26 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.10  | 84  | 345915 | 9.78   | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.74  | 65  | 186675 | 9.33   | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.76  | 84  | 639437 | 9.10   | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.72  | 67  | 196253 | 9.34   | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.92  | 98  | 595148 | 9.24   | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.20  | 79  | 88562  | 9.49   | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.65  | 63  | 506204 | 122.11 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84  | 178548 | 9.71   | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.20 | 152 | 240106 | 9.27   | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |              | Qvalue |
|--------------------------------|------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 264093  | 9.245 ug/L   | 98     |
| 3) Chloromethane               | 1.53 | 50  | 233587  | 9.913 ug/L   | 100    |
| 5) Vinyl chloride              | 1.62 | 62  | 242703  | 9.694 ug/L   | 98     |
| 6) Bromomethane                | 1.87 | 94  | 146560  | 10.203 ug/L  | 99     |
| 8) Chloroethane                | 1.95 | 64  | 174617  | 11.293 ug/L  | 100    |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 410093  | 11.037 ug/L  | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 203680  | 9.585 ug/L   | 98     |
| 12) 1,1-Dichloroethene         | 2.60 | 96  | 195675  | 9.528 ug/L   | 98     |
| 13) Acetone                    | 2.68 | 43  | 407920  | 100.240 ug/L | 98     |
| 14) Carbon disulfide           | 2.82 | 76  | 664966  | 9.512 ug/L   | 100    |
| 15) Methyl Acetate             | 2.99 | 43  | 100117  | 10.071 ug/L  | 100    |
| 16) Methylene chloride         | 3.08 | 84  | 222847  | 9.438 ug/L   | 98     |
| 17) Methyl tert-butyl Ether    | 3.40 | 73  | 538710  | 10.181 ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 213032  | 9.661 ug/L   | 100    |
| 19) 1,1-Dichloroethane         | 3.91 | 63  | 391001  | 9.852 ug/L   | 99     |
| 21) 2-Butanone                 | 4.76 | 43  | 679328  | 101.623 ug/L | 100    |
| 22) cis-1,2-Dichloroethene     | 4.71 | 96  | 226435  | 9.859 ug/L   | 99     |
| 23) Bromochloromethane         | 5.01 | 128 | 106125  | 9.857 ug/L   | 97     |
| 25) Chloroform                 | 5.12 | 83  | 406143  | 9.926 ug/L   | 97     |
| 27) 1,2-Dichloroethane         | 5.83 | 62  | 284716  | 9.980 ug/L   | 97     |
| 29) 1,1,1-Trichloroethane      | 5.35 | 97  | 355987  | 9.598 ug/L   | 99     |
| 30) Cyclohexane                | 5.42 | 56  | 336628  | 9.365 ug/L   | 98     |
| 31) Carbon tetrachloride       | 5.56 | 117 | 302293  | 9.655 ug/L   | 100    |
| 33) Benzene                    | 5.81 | 78  | 869450  | 9.574 ug/L   | 100    |
| 34) Trichloroethene            | 6.57 | 95  | 222933  | 9.401 ug/L   | 97     |
| 35) Methylcyclohexane          | 6.79 | 83  | 347981  | 9.437 ug/L   | 98     |
| 37) 1,2-Dichloropropane        | 6.82 | 63  | 220267  | 9.628 ug/L   | 100    |
| 38) Bromodichloromethane       | 7.13 | 83  | 290968  | 9.804 ug/L   | 100    |
| 39) cis-1,3-Dichloropropene    | 7.63 | 75  | 335922  | 9.906 ug/L   | 98     |
| 40) 4-Methyl-2-pentanone       | 7.82 | 43  | 1537382 | 100.415 ug/L | 100    |

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 ClientSampleId :  
 VSTD01006

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 15 13:39:45 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                    | 7.99  | 91   | 940434   | 9.810   | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene  | 8.23  | 75   | 302237   | 10.007  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 8.42  | 97   | 169584   | 9.720   | ug/L  | 99       |
| 47) Tetrachloroethene          | 8.57  | 164  | 178377   | 9.771   | ug/L  | 98       |
| 48) 2-Hexanone                 | 8.71  | 43   | 1375835  | 116.981 | ug/L  | 99       |
| 49) Dibromochloromethane       | 8.83  | 129  | 210972   | 10.832  | ug/L  | 95       |
| 50) 1,2-Dibromoethane          | 8.94  | 107  | 174716   | 10.259  | ug/L  | 97       |
| 51) Chlorobenzene              | 9.47  | 112  | 601090   | 9.736   | ug/L  | 99       |
| 52) Ethylbenzene               | 9.59  | 91   | 1120285  | 10.607  | ug/L  | 99       |
| 53) m,p-Xylene                 | 9.71  | 106  | 435013   | 10.900  | ug/L  | 100      |
| 54) o-Xylene                   | 10.12 | 106  | 419972   | 10.960  | ug/L  | 100      |
| 55) Styrene                    | 10.13 | 104  | 744142   | 11.285  | ug/L  | 100      |
| 56) Isopropylbenzene           | 10.50 | 105  | 1026961  | 10.026  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.80 | 83   | 215146   | 9.917   | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane     | 10.84 | 75   | 179045   | 10.550  | ug/L  | 100      |
| 61) Bromoform                  | 10.31 | 173  | 117722   | 10.272  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene        | 11.76 | 146  | 487038   | 9.480   | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.85 | 146  | 494305   | 9.433   | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene        | 12.22 | 146  | 483648   | 10.008  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 13.01 | 75   | 38871    | 9.917   | ug/L  | 96       |
| 67) 1,3,5-Trichlorobenzene     | 13.24 | 180  | 360594   | 9.582   | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.86 | 180  | 327210   | 9.826   | ug/L  | 98       |
| 69) Naphthalene                | 14.11 | 128  | 655686   | 10.372  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 14.36 | 180  | 308641   | 10.139  | ug/L  | 98       |

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

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