

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\  
 Data File : VV007267.D  
 Acq On : 30 Aug 2018 16:59  
 Operator : SY/MD  
 Sample : VSTD02067  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD02067

Quant Time: Aug 31 01:34:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR083018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Aug 31 01:32:19 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 327527   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 325622   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 168092   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |      |      |
|--------------------------------|-------|-----|---------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 551309  | 22.43  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 419826  | 21.61  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 911717  | 21.83  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.97  | 46  | 1170176 | 204.93 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.41  | 84  | 970784  | 20.20  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.09  | 65  | 447561  | 18.95  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.10  | 84  | 2062170 | 21.72  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 624282  | 20.37  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 1894671 | 22.81  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.67  | 79  | 234877  | 21.62  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.14  | 63  | 955837  | 311.09 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84  | 435620  | 18.75  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.68 | 152 | 653716  | 20.06  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |        |      | Qvalue |
|--------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 492533  | 19.45  | ug/L | # 76   |
| 3) Chloromethane               | 1.25 | 50  | 618179  | 22.56  | ug/L | 98     |
| 5) Vinyl chloride              | 1.32 | 62  | 598531  | 22.75  | ug/L | 99     |
| 6) Bromomethane                | 1.54 | 94  | 295463  | 29.08  | ug/L | 100    |
| 8) Chloroethane                | 1.60 | 64  | 339634  | 21.51  | ug/L | 100    |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 757434  | 21.09  | ug/L | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 455283  | 20.38  | ug/L | 99     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 439025  | 21.73  | ug/L | 92     |
| 13) Acetone                    | 2.21 | 43  | 559567  | 193.81 | ug/L | 99     |
| 14) Carbon disulfide           | 2.32 | 76  | 1443754 | 23.51  | ug/L | 99     |
| 15) Methyl Acetate             | 2.47 | 43  | 153269  | 20.00  | ug/L | 97     |
| 16) Methylene chloride         | 2.54 | 84  | 462074  | 19.04  | ug/L | 100    |
| 17) Methyl tert-butyl Ether    | 2.81 | 73  | 1023147 | 20.22  | ug/L | 99     |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96  | 483974  | 21.52  | ug/L | 98     |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 882256  | 19.97  | ug/L | 100    |
| 21) 2-Butanone                 | 4.05 | 43  | 1199955 | 204.21 | ug/L | 99     |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 562127  | 21.98  | ug/L | 99     |
| 23) Bromochloromethane         | 4.30 | 128 | 234018  | 20.43  | ug/L | 97     |
| 25) Chloroform                 | 4.43 | 83  | 922564  | 20.44  | ug/L | 99     |
| 27) 1,2-Dichloroethane         | 5.19 | 62  | 539566  | 20.52  | ug/L | 99     |
| 29) 1,1,1-Trichloroethane      | 4.66 | 97  | 792501  | 20.82  | ug/L | 100    |
| 30) Cyclohexane                | 4.73 | 56  | 890386  | 25.87  | ug/L | 98     |
| 31) Carbon tetrachloride       | 4.88 | 117 | 696109  | 21.44  | ug/L | 100    |
| 33) Benzene                    | 5.15 | 78  | 2197540 | 22.49  | ug/L | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 526513  | 21.47  | ug/L | 99     |
| 35) Methylcyclohexane          | 6.18 | 83  | 964752  | 26.39  | ug/L | 97     |
| 37) 1,2-Dichloropropane        | 6.23 | 63  | 551842  | 21.44  | ug/L | 99     |
| 38) Bromodichloromethane       | 6.56 | 83  | 640081  | 20.82  | ug/L | 100    |
| 39) cis-1,3-Dichloropropene    | 7.08 | 75  | 778135  | 24.38  | ug/L | 98     |
| 40) 4-Methyl-2-pentanone       | 7.29 | 43  | 2830827 | 216.32 | ug/L | 97     |

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 QLast Update : Fri Aug 31 01:32:19 2018  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                     | 7.44  | 91   | 2273622  | 23.56  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene   | 7.70  | 75   | 621815   | 23.28  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane       | 7.89  | 97   | 357345   | 19.71  | ug/L  | 97       |
| 47) Tetrachloroethene           | 8.02  | 164  | 449658   | 22.10  | ug/L  | 99       |
| 48) 2-Hexanone                  | 8.19  | 43   | 2023179  | 208.28 | ug/L  | 96       |
| 49) Dibromochloromethane        | 8.30  | 129  | 425168   | 20.58  | ug/L  | 96       |
| 50) 1,2-Dibromoethane           | 8.40  | 107  | 325014   | 20.79  | ug/L  | 99       |
| 51) Chlorobenzene               | 8.93  | 112  | 1424774  | 22.00  | ug/L  | 99       |
| 52) Ethylbenzene                | 9.06  | 91   | 2479048  | 25.56  | ug/L  | 99       |
| 53) m,p-xylene                  | 9.19  | 106  | 960694   | 25.74  | ug/L  | 98       |
| 54) o-xylene                    | 9.59  | 106  | 911527   | 26.36  | ug/L  | 99       |
| 55) Styrene                     | 9.61  | 104  | 1605700  | 26.38  | ug/L  | 97       |
| 56) Isopropylbenzene            | 9.98  | 105  | 2397418  | 26.31  | ug/L  | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.29 | 83   | 429185   | 20.15  | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane      | 10.32 | 75   | 300670   | 19.68  | ug/L  | 99       |
| 61) Bromoform                   | 9.78  | 173  | 237540   | 19.12  | ug/L  | 100      |
| 62) 1,3-Dichlorobenzene         | 11.23 | 146  | 1079120  | 21.44  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene         | 11.32 | 146  | 1127993  | 21.12  | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene         | 11.70 | 146  | 1038062  | 20.54  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan  | 12.48 | 75   | 61486    | 20.32  | ug/L  | 94       |
| 67) 1,3,5-Trichlorobenzene      | 12.70 | 180  | 864212   | 22.95  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene      | 13.31 | 180  | 716338   | 27.61  | ug/L  | 99       |
| 69) Naphthalene                 | 13.56 | 128  | 1176928  | 34.47  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene      | 13.80 | 180  | 670326   | 26.43  | ug/L  | 99       |

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

