

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031120\  
 Data File : VU037154.D  
 Acq On : 10 Mar 2020 16:17  
 Operator : JC/MD  
 Sample : VSTD00106  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00106

Quant Time: Mar 11 08:57:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR031120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Mar 11 08:42:14 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 120805   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 122361   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 51668    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 8059  | 0.81 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 5767  | 0.69 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 15428 | 0.89 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.69  | 46  | 18765 | 8.76 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.11  | 84  | 15356 | 0.95 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.74  | 65  | 9554  | 1.03 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.76  | 84  | 28138 | 0.78 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.73  | 67  | 9142  | 0.80 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.92  | 98  | 25668 | 0.76 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.20  | 79  | 3486  | 0.77 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.67  | 63  | 14183 | 6.99 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84  | 7601  | 0.83 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.21 | 152 | 8612  | 0.86 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 15566 | 1.629 ug/L   | 100    |
| 3) Chloromethane               | 1.54 | 50  | 13245 | 1.422 ug/L   | 98     |
| 5) Vinyl chloride              | 1.62 | 62  | 11334 | 1.105 ug/L # | 80     |
| 6) Bromomethane                | 1.87 | 94  | 4416  | 0.782 ug/L   | 90     |
| 8) Chloroethane                | 1.95 | 64  | 6075  | 0.900 ug/L   | 95     |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 16570 | 1.208 ug/L   | 95     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.60 | 101 | 8301  | 0.986 ug/L   | 97     |
| 12) 1,1-Dichloroethene         | 2.60 | 96  | 7491  | 0.990 ug/L   | 96     |
| 13) Acetone                    | 2.68 | 43  | 16450 | 6.322 ug/L   | 97     |
| 14) Carbon disulfide           | 2.82 | 76  | 25332 | 1.281 ug/L   | 97     |
| 15) Methyl Acetate             | 3.00 | 43  | 3976  | 1.058 ug/L   | 96     |
| 16) Methylene chloride         | 3.08 | 84  | 9578  | 0.777 ug/L   | 95     |
| 17) Methyl tert-butyl Ether    | 3.40 | 73  | 19222 | 0.879 ug/L   | 98     |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 7796  | 0.990 ug/L   | 98     |
| 19) 1,1-Dichloroethane         | 3.91 | 63  | 16285 | 1.003 ug/L   | 96     |
| 21) 2-Butanone                 | 4.77 | 43  | 23895 | 7.549 ug/L   | 96     |
| 22) cis-1,2-Dichloroethene     | 4.72 | 96  | 8283  | 0.893 ug/L   | 94     |
| 23) Bromochloromethane         | 5.02 | 128 | 4027  | 1.069 ug/L   | 96     |
| 25) Chloroform                 | 5.13 | 83  | 18274 | 1.043 ug/L   | 98     |
| 27) 1,2-Dichloroethane         | 5.83 | 62  | 12967 | 1.145 ug/L   | 99     |
| 29) 1,1,1-Trichloroethane      | 5.35 | 97  | 15121 | 1.073 ug/L   | 97     |
| 30) Cyclohexane                | 5.42 | 56  | 13308 | 0.905 ug/L   | 99     |
| 31) Carbon tetrachloride       | 5.56 | 117 | 12733 | 1.105 ug/L   | 97     |
| 33) Benzene                    | 5.81 | 78  | 32450 | 0.849 ug/L   | 100    |
| 34) Trichloroethene            | 6.57 | 95  | 9261  | 0.943 ug/L   | 95     |
| 35) Methylcyclohexane          | 6.80 | 83  | 13387 | 0.865 ug/L   | 97     |
| 37) 1,2-Dichloropropane        | 6.82 | 63  | 8920  | 0.863 ug/L   | 99     |
| 38) Bromodichloromethane       | 7.13 | 83  | 12364 | 0.983 ug/L # | 96     |
| 39) cis-1,3-Dichloropropene    | 7.64 | 75  | 12008 | 0.808 ug/L   | 96     |
| 40) 4-Methyl-2-pentanone       | 7.83 | 43  | 61168 | 9.043 ug/L   | 97     |

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 QLast Update : Wed Mar 11 08:42:14 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 42) Toluene                    | 8.00  | 91   | 34645    | 0.842 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 8.24  | 75   | 9966     | 0.845 | ug/L   | 89       |
| 45) 1,1,2-Trichloroethane      | 8.43  | 97   | 6462     | 0.893 | ug/L   | 95       |
| 47) Tetrachloroethene          | 8.58  | 164  | 7223     | 1.050 | ug/L   | 93       |
| 48) 2-Hexanone                 | 8.72  | 43   | 40080    | 7.144 | ug/L   | 97       |
| 49) Dibromochloromethane       | 8.83  | 129  | 7716     | 0.999 | ug/L   | 98       |
| 50) 1,2-Dibromoethane          | 8.95  | 107  | 5911     | 0.892 | ug/L # | 89       |
| 51) Chlorobenzene              | 9.47  | 112  | 23532    | 0.927 | ug/L   | 97       |
| 52) Ethylbenzene               | 9.59  | 91   | 37382    | 0.815 | ug/L   | 93       |
| 53) m,p-Xylene                 | 9.71  | 106  | 13096    | 0.779 | ug/L   | 98       |
| 54) o-Xylene                   | 10.12 | 106  | 13220    | 0.807 | ug/L   | 87       |
| 55) Styrene                    | 10.13 | 104  | 19781    | 0.715 | ug/L   | 96       |
| 56) Isopropylbenzene           | 10.50 | 105  | 33678    | 0.764 | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.80 | 83   | 8086     | 0.860 | ug/L   | 88       |
| 59) 1,2,3-Trichloropropane     | 10.84 | 75   | 6585     | 0.957 | ug/L   | 95       |
| 61) Bromoform                  | 10.31 | 173  | 4009     | 1.094 | ug/L # | 96       |
| 62) 1,3-Dichlorobenzene        | 11.76 | 146  | 16495    | 0.926 | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 11.85 | 146  | 16189    | 0.921 | ug/L   | 93       |
| 65) 1,2-Dichlorobenzene        | 12.23 | 146  | 15838    | 0.928 | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 13.02 | 75   | 1192     | 0.940 | ug/L   | 87       |
| 67) 1,3,5-Trichlorobenzene     | 13.24 | 180  | 10326    | 0.830 | ug/L   | 97       |
| 68) 1,2,4-trichlorobenzene     | 13.87 | 180  | 5584     | 0.610 | ug/L   | 97       |
| 69) Naphthalene                | 14.12 | 128  | 5890     | 0.372 | ug/L   | 98       |
| 70) 1,2,3-Trichlorobenzene     | 14.37 | 180  | 5427     | 0.656 | ug/L   | 98       |
| -----                          |       |      |          |       |        |          |

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

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