

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\  
 Data File : VU039280.D  
 Acq On : 06 Jul 2020 10:10  
 Operator : SY/MD  
 Sample : VSTD00105  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00105

Quant Time: Jul 06 10:59:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jul 06 10:57:06 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 133655   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 126350   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 61511    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |      |      |
|--------------------------------|-------|-----|-------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 11378 | 1.20  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.92  | 69  | 10316 | 1.22  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.58  | 63  | 20232 | 1.06  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.66  | 46  | 40667 | 13.13 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.08  | 84  | 21091 | 1.07  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.72  | 65  | 12954 | 1.15  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.75  | 84  | 41823 | 1.41  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.70  | 67  | 13929 | 1.47  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.91  | 98  | 37723 | 1.38  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.19  | 79  | 6380  | 1.32  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.64  | 63  | 32723 | 13.52 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76 | 84  | 12537 | 1.29  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.19 | 152 | 14709 | 1.37  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |             | Qvalue |
|--------------------------------|------|-----|-------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 7787  | 0.666 ug/L  | 92     |
| 3) Chloromethane               | 1.53 | 50  | 10655 | 0.834 ug/L  | 96     |
| 5) Vinyl chloride              | 1.61 | 62  | 11136 | 0.883 ug/L  | 92     |
| 6) Bromomethane                | 1.87 | 94  | 6285  | 0.813 ug/L  | 91     |
| 8) Chloroethane                | 1.94 | 64  | 6535  | 0.774 ug/L  | 85     |
| 9) Trichlorofluoromethane      | 2.15 | 101 | 16224 | 0.843 ug/L  | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 7890  | 0.837 ug/L  | 97     |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 8294  | 0.952 ug/L  | 95     |
| 13) Acetone                    | 2.67 | 43  | 18455 | 8.293 ug/L  | 96     |
| 14) Carbon disulfide           | 2.81 | 76  | 25369 | 0.902 ug/L  | 99     |
| 15) Methyl Acetate             | 2.97 | 43  | 4763  | 0.942 ug/L  | 100    |
| 16) Methylene chloride         | 3.06 | 84  | 10434 | 0.937 ug/L  | 92     |
| 17) Methyl tert-butyl Ether    | 3.39 | 73  | 26399 | 0.926 ug/L  | 98     |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 8733  | 0.878 ug/L  | 91     |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 16501 | 0.822 ug/L  | 99     |
| 21) 2-Butanone                 | 4.75 | 43  | 35673 | 10.086 ug/L | 99     |
| 22) cis-1,2-Dichloroethene     | 4.68 | 96  | 9632  | 0.941 ug/L  | 98     |
| 23) Bromochloromethane         | 4.99 | 128 | 4157  | 0.835 ug/L  | 84     |
| 25) Chloroform                 | 5.11 | 83  | 18100 | 0.870 ug/L  | 96     |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 13262 | 0.907 ug/L  | 99     |
| 29) 1,1,1-Trichloroethane      | 5.34 | 97  | 15418 | 0.977 ug/L  | 99     |
| 30) Cyclohexane                | 5.40 | 56  | 15413 | 1.093 ug/L  | 98     |
| 31) Carbon tetrachloride       | 5.54 | 117 | 12709 | 0.968 ug/L  | 99     |
| 33) Benzene                    | 5.79 | 78  | 37339 | 1.043 ug/L  | 100    |
| 34) Trichloroethene            | 6.56 | 95  | 9661  | 1.042 ug/L  | 94     |
| 35) Methylcyclohexane          | 6.78 | 83  | 14861 | 1.083 ug/L  | 100    |
| 37) 1,2-Dichloropropane        | 6.80 | 63  | 10645 | 1.124 ug/L  | 99     |
| 38) Bromodichloromethane       | 7.11 | 83  | 13182 | 1.025 ug/L  | 99     |
| 39) cis-1,3-Dichloropropene    | 7.62 | 75  | 16209 | 1.095 ug/L  | 99     |
| 40) 4-Methyl-2-pentanone       | 7.80 | 43  | 87636 | 11.340 ug/L | 100    |

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00105

Quant Time: Jul 06 10:59:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jul 06 10:57:06 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 42) Toluene                    | 7.98  | 91   | 39499    | 0.982  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 8.22  | 75   | 13624    | 0.934  | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane      | 8.41  | 97   | 7422     | 0.937  | ug/L   | 93       |
| 47) Tetrachloroethene          | 8.56  | 164  | 6857     | 0.993  | ug/L   | 86       |
| 48) 2-Hexanone                 | 8.69  | 43   | 63940    | 10.159 | ug/L   | 100      |
| 49) Dibromochloromethane       | 8.82  | 129  | 9020     | 1.015  | ug/L   | 95       |
| 50) 1,2-Dibromoethane          | 8.93  | 107  | 7730     | 1.029  | ug/L # | 98       |
| 51) Chlorobenzene              | 9.45  | 112  | 24749    | 0.968  | ug/L   | 97       |
| 52) Ethylbenzene               | 9.57  | 91   | 43650    | 1.012  | ug/L   | 98       |
| 53) m,p-Xylene                 | 9.70  | 106  | 16495    | 1.045  | ug/L   | 95       |
| 54) o-Xylene                   | 10.10 | 106  | 16627    | 1.097  | ug/L   | 96       |
| 55) Styrene                    | 10.12 | 104  | 27187    | 1.017  | ug/L   | 92       |
| 56) Isopropylbenzene           | 10.48 | 105  | 43448    | 1.077  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.78 | 83   | 10563    | 1.009  | ug/L   | 97       |
| 59) 1,2,3-Trichloropropane     | 10.83 | 75   | 7559     | 0.965  | ug/L   | 98       |
| 61) Bromoform                  | 10.29 | 173  | 5285     | 1.048  | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene        | 11.74 | 146  | 20579    | 1.063  | ug/L   | 96       |
| 63) 1,4-Dichlorobenzene        | 11.83 | 146  | 19306    | 1.003  | ug/L   | 96       |
| 65) 1,2-Dichlorobenzene        | 12.21 | 146  | 19697    | 1.018  | ug/L   | 95       |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75   | 2027     | 1.041  | ug/L   | 90       |
| 67) 1,3,5-Trichlorobenzene     | 13.21 | 180  | 14632    | 1.016  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.83 | 180  | 12371    | 1.018  | ug/L   | 96       |
| 69) Naphthalene                | 14.08 | 128  | 21610    | 0.989  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 14.32 | 180  | 11446    | 1.013  | ug/L   | 99       |
| -----                          |       |      |          |        |        |          |

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

