

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\  
 Data File : VU038887.D  
 Acq On : 15 Jun 2020 12:35  
 Operator : SY/MD  
 Sample : VSTD00104  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00104

Quant Time: Jun 15 13:42:07 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  | 303014   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 306600   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 153987   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |      |      |
|--------------------------------|-------|-----|-------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 15564 | 0.94  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 15818 | 1.19  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 37895 | 1.01  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.69  | 46  | 53901 | 10.40 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.10  | 84  | 37519 | 1.03  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.74  | 65  | 22598 | 1.09  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.76  | 84  | 71024 | 0.99  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.72  | 67  | 20890 | 0.97  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.92  | 98  | 61405 | 0.93  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.20  | 79  | 8827  | 0.93  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.66  | 63  | 42235 | 9.99  | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84  | 21534 | 1.15  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.20 | 152 | 28661 | 1.14  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 31296  | 1.060 ug/L   | 100    |
| 3) Chloromethane               | 1.53 | 50  | 24423  | 1.003 ug/L   | 99     |
| 5) Vinyl chloride              | 1.62 | 62  | 26454  | 1.023 ug/L   | 96     |
| 6) Bromomethane                | 1.87 | 94  | 15106  | 1.018 ug/L   | 100    |
| 8) Chloroethane                | 1.95 | 64  | 19100  | 1.195 ug/L   | 94     |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 46613  | 1.214 ug/L   | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 22860  | 1.041 ug/L   | 97     |
| 12) 1,1-Dichloroethene         | 2.60 | 96  | 22252  | 1.049 ug/L   | 97     |
| 13) Acetone                    | 2.69 | 43  | 41812  | 9.943 ug/L   | 79     |
| 14) Carbon disulfide           | 2.82 | 76  | 71634  | 0.992 ug/L   | 100    |
| 15) Methyl Acetate             | 3.00 | 43  | 10965  | 1.067 ug/L # | 87     |
| 16) Methylene chloride         | 3.08 | 84  | 24714  | 1.013 ug/L   | 95     |
| 17) Methyl tert-butyl Ether    | 3.40 | 73  | 49333  | 0.902 ug/L   | 98     |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 22492  | 0.987 ug/L   | 96     |
| 19) 1,1-Dichloroethane         | 3.91 | 63  | 41111  | 1.002 ug/L   | 98     |
| 21) 2-Butanone                 | 4.76 | 43  | 66477  | 9.624 ug/L   | 98     |
| 22) cis-1,2-Dichloroethene     | 4.71 | 96  | 23418  | 0.987 ug/L   | 98     |
| 23) Bromochloromethane         | 5.01 | 128 | 11139  | 1.001 ug/L   | 97     |
| 25) Chloroform                 | 5.12 | 83  | 43053  | 1.018 ug/L   | 99     |
| 27) 1,2-Dichloroethane         | 5.83 | 62  | 31191  | 1.058 ug/L   | 98     |
| 29) 1,1,1-Trichloroethane      | 5.35 | 97  | 37884  | 1.001 ug/L   | 99     |
| 30) Cyclohexane                | 5.42 | 56  | 33042  | 0.901 ug/L   | 98     |
| 31) Carbon tetrachloride       | 5.56 | 117 | 32732  | 1.025 ug/L   | 99     |
| 33) Benzene                    | 5.81 | 78  | 89164  | 0.962 ug/L   | 100    |
| 34) Trichloroethene            | 6.57 | 95  | 23997  | 0.992 ug/L   | 93     |
| 35) Methylcyclohexane          | 6.79 | 83  | 34125  | 0.907 ug/L   | 99     |
| 37) 1,2-Dichloropropane        | 6.82 | 63  | 22662  | 0.971 ug/L   | 98     |
| 38) Bromodichloromethane       | 7.13 | 83  | 30317  | 1.001 ug/L   | 98     |
| 39) cis-1,3-Dichloropropene    | 7.63 | 75  | 31154  | 0.901 ug/L   | 97     |
| 40) 4-Methyl-2-pentanone       | 7.82 | 43  | 145964 | 9.345 ug/L   | 98     |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00104

Quant Time: Jun 15 13:42:07 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) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.99  | 91   | 90107    | 0.921 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 8.23  | 75   | 27879    | 0.905 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane      | 8.42  | 97   | 17369    | 0.976 | ug/L   | 93       |
| 47) Tetrachloroethene          | 8.57  | 164  | 17730    | 0.952 | ug/L   | 95       |
| 48) 2-Hexanone                 | 8.71  | 43   | 108659   | 9.056 | ug/L   | 98       |
| 49) Dibromochloromethane       | 8.83  | 129  | 19847    | 0.999 | ug/L   | 86       |
| 50) 1,2-Dibromoethane          | 8.94  | 107  | 16326    | 0.940 | ug/L   | 94       |
| 51) Chlorobenzene              | 9.47  | 112  | 59914    | 0.951 | ug/L   | 97       |
| 52) Ethylbenzene               | 9.59  | 91   | 105225   | 0.977 | ug/L   | 96       |
| 53) m,p-Xylene                 | 9.71  | 106  | 35513    | 0.872 | ug/L   | 98       |
| 54) o-Xylene                   | 10.11 | 106  | 33830    | 0.865 | ug/L   | 99       |
| 55) Styrene                    | 10.13 | 104  | 57137    | 0.849 | ug/L   | 99       |
| 56) Isopropylbenzene           | 10.50 | 105  | 93213    | 0.892 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.80 | 83   | 23755    | 1.073 | ug/L # | 96       |
| 59) 1,2,3-Trichloropropane     | 10.84 | 75   | 17300    | 0.999 | ug/L   | 98       |
| 61) Bromoform                  | 10.31 | 173  | 11134    | 1.004 | ug/L   | 97       |
| 62) 1,3-Dichlorobenzene        | 11.76 | 146  | 47654    | 0.959 | ug/L   | 99       |
| 63) 1,4-Dichlorobenzene        | 11.85 | 146  | 48228    | 0.951 | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene        | 12.22 | 146  | 50890    | 1.088 | ug/L   | 96       |
| 66) 1,2-Dibromo-3-chloropropan | 13.01 | 75   | 4473     | 1.179 | ug/L   | 88       |
| 67) 1,3,5-Trichlorobenzene     | 13.24 | 180  | 37568    | 1.032 | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.87 | 180  | 27707    | 0.860 | ug/L   | 97       |
| 69) Naphthalene                | 14.11 | 128  | 47312    | 0.773 | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 14.36 | 180  | 26026    | 0.883 | ug/L   | 99       |

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

