

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\  
 Data File : VU041916.D  
 Acq On : 11 Jan 2021 12:55  
 Operator : SY/MD  
 Sample : VSTD01005  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01005

Quant Time: Jan 12 01:16:34 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011121WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jan 12 01:13:33 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 124011   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 120331   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 63261    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.60  | 65  | 108477 | 10.37  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.92  | 69  | 99526  | 10.28  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.58  | 63  | 207296 | 10.46  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.65  | 46  | 318834 | 109.76 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.08  | 84  | 196572 | 10.32  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.72  | 65  | 102126 | 10.17  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.74  | 84  | 369312 | 10.38  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.70  | 67  | 115579 | 10.35  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.90  | 98  | 343575 | 10.66  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.19  | 79  | 50152  | 10.76  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.64  | 63  | 270468 | 114.68 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84  | 102122 | 10.33  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.19 | 152 | 122251 | 10.22  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 124452 | 10.375 ug/L  | 100    |
| 3) Chloromethane               | 1.52 | 50  | 130788 | 10.021 ug/L  | 95     |
| 5) Vinyl chloride              | 1.61 | 62  | 149181 | 10.531 ug/L  | 100    |
| 6) Bromomethane                | 1.86 | 94  | 90708  | 10.588 ug/L  | 99     |
| 8) Chloroethane                | 1.94 | 64  | 86225  | 9.965 ug/L   | 99     |
| 9) Trichlorofluoromethane      | 2.14 | 101 | 189749 | 10.381 ug/L  | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 101711 | 10.226 ug/L  | 99     |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 98620  | 10.186 ug/L  | 99     |
| 13) Acetone                    | 2.66 | 43  | 198505 | 108.616 ug/L | # 41   |
| 14) Carbon disulfide           | 2.80 | 76  | 321550 | 10.644 ug/L  | 99     |
| 15) Methyl Acetate             | 2.96 | 43  | 46340  | 10.811 ug/L  | 99     |
| 16) Methylene chloride         | 3.06 | 84  | 111649 | 9.175 ug/L   | 96     |
| 17) Methyl tert-butyl Ether    | 3.38 | 73  | 241381 | 10.396 ug/L  | 97     |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 95604  | 10.171 ug/L  | 99     |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 182127 | 10.324 ug/L  | 99     |
| 21) 2-Butanone                 | 4.73 | 43  | 322724 | 110.243 ug/L | 97     |
| 22) cis-1,2-Dichloroethene     | 4.68 | 96  | 107620 | 10.721 ug/L  | 93     |
| 23) Bromochloromethane         | 4.99 | 128 | 48453  | 10.344 ug/L  | 86     |
| 25) Chloroform                 | 5.10 | 83  | 184086 | 10.011 ug/L  | 99     |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 121001 | 10.267 ug/L  | 100    |
| 29) 1,1,1-Trichloroethane      | 5.33 | 97  | 160993 | 10.252 ug/L  | 99     |
| 30) Cyclohexane                | 5.40 | 56  | 160290 | 10.895 ug/L  | 98     |
| 31) Carbon tetrachloride       | 5.54 | 117 | 139577 | 10.284 ug/L  | 98     |
| 33) Benzene                    | 5.79 | 78  | 404972 | 10.441 ug/L  | 100    |
| 34) Trichloroethene            | 6.55 | 95  | 103301 | 10.147 ug/L  | 99     |
| 35) Methylcyclohexane          | 6.77 | 83  | 165286 | 11.046 ug/L  | 98     |
| 37) 1,2-Dichloropropane        | 6.80 | 63  | 104391 | 10.794 ug/L  | 99     |
| 38) Bromodichloromethane       | 7.11 | 83  | 134963 | 10.428 ug/L  | 95     |
| 39) cis-1,3-Dichloropropene    | 7.61 | 75  | 155797 | 10.910 ug/L  | 100    |
| 40) 4-Methyl-2-pentanone       | 7.80 | 43  | 670375 | 109.182 ug/L | 100    |

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 Quant Title : TRACE VOA SOM01.0  
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 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|---------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                     | 7.97  | 91   | 432073   | 10.783  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene   | 8.21  | 75   | 139146   | 11.015  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane       | 8.40  | 97   | 77524    | 10.455  | ug/L  | 100      |
| 47) Tetrachloroethene           | 8.56  | 164  | 77334    | 10.917  | ug/L  | 93       |
| 48) 2-Hexanone                  | 8.69  | 43   | 494464   | 109.248 | ug/L  | 100      |
| 49) Dibromochloromethane        | 8.81  | 129  | 95032    | 10.531  | ug/L  | 99       |
| 50) 1,2-Dibromoethane           | 8.93  | 107  | 75244    | 10.764  | ug/L  | 98       |
| 51) Chlorobenzene               | 9.45  | 112  | 264303   | 10.478  | ug/L  | 98       |
| 52) Ethylbenzene                | 9.57  | 91   | 472489   | 11.195  | ug/L  | 99       |
| 53) m,p-Xylene                  | 9.69  | 106  | 178427   | 11.419  | ug/L  | 98       |
| 54) o-Xylene                    | 10.10 | 106  | 169428   | 11.220  | ug/L  | 93       |
| 55) Styrene                     | 10.11 | 104  | 301656   | 11.492  | ug/L  | 99       |
| 56) Isopropylbenzene            | 10.48 | 105  | 457644   | 11.287  | ug/L  | 100      |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.78 | 83   | 99196    | 10.237  | ug/L  | 97       |
| 59) 1,2,3-Trichloropropane      | 10.82 | 75   | 73880    | 10.459  | ug/L  | 97       |
| 61) Bromoform                   | 10.29 | 173  | 56412    | 10.526  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene         | 11.74 | 146  | 208138   | 10.369  | ug/L  | 98       |
| 63) 1,4-Dichlorobenzene         | 11.83 | 146  | 210643   | 10.456  | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene         | 12.21 | 146  | 201830   | 10.446  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan  | 12.99 | 75   | 17873    | 10.185  | ug/L  | 96       |
| 67) 1,3,5-Trichlorobenzene      | 13.21 | 180  | 153808   | 10.495  | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene      | 13.83 | 180  | 125553   | 11.367  | ug/L  | 99       |
| 69) Naphthalene                 | 14.08 | 128  | 235483   | 12.572  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene      | 14.32 | 180  | 118954   | 11.391  | ug/L  | 99       |

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

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