

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022119\  
 Data File : VU029588.D  
 Acq On : 21 Feb 2019 11:05  
 Operator : JC/SP  
 Sample : VSTD00147  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00147

Quant Time: Feb 22 02:41:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR022119WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Feb 22 02:38:28 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 244008   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 233241   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 123298   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 14798 | 0.93 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 13803 | 0.92 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.27  | 63  | 32771 | 0.96 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.19  | 46  | 31155 | 8.65 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.65  | 84  | 25042 | 0.89 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 14297 | 0.94 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.34  | 84  | 57814 | 0.97 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.33  | 67  | 16858 | 0.97 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.56  | 98  | 56611 | 0.97 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.85  | 79  | 6200  | 0.87 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.31  | 63  | 31369 | 8.95 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84  | 14677 | 0.94 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.86 | 152 | 23330 | 0.96 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 18792 | 0.987 ug/L   | 98     |
| 3) Chloromethane               | 1.33 | 50  | 16413 | 0.997 ug/L   | 100    |
| 5) Vinyl chloride              | 1.40 | 62  | 20532 | 0.987 ug/L # | 81     |
| 6) Bromomethane                | 1.63 | 94  | 11151 | 0.968 ug/L   | 98     |
| 8) Chloroethane                | 1.70 | 64  | 13357 | 0.991 ug/L   | 98     |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 30749 | 0.996 ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 18853 | 0.990 ug/L   | 98     |
| 12) 1,1-Dichloroethene         | 2.29 | 96  | 18107 | 1.000 ug/L   | 89     |
| 13) Acetone                    | 2.32 | 43  | 25950 | 10.025 ug/L  | 99     |
| 14) Carbon disulfide           | 2.48 | 76  | 58649 | 0.986 ug/L   | 100    |
| 15) Methyl Acetate             | 2.62 | 43  | 7564  | 1.002 ug/L   | 95     |
| 16) Methylene chloride         | 2.70 | 84  | 22127 | 1.034 ug/L   | 99     |
| 17) Methyl tert-butyl Ether    | 3.00 | 73  | 43061 | 0.995 ug/L   | 98     |
| 18) trans-1,2-Dichloroethene   | 2.98 | 96  | 19101 | 0.970 ug/L   | 99     |
| 19) 1,1-Dichloroethane         | 3.44 | 63  | 33342 | 1.087 ug/L   | 99     |
| 21) 2-Butanone                 | 4.28 | 43  | 33673 | 9.376 ug/L   | 94     |
| 22) cis-1,2-Dichloroethene     | 4.22 | 96  | 17283 | 0.958 ug/L   | 93     |
| 23) Bromochloromethane         | 4.55 | 128 | 7998  | 0.982 ug/L   | 96     |
| 25) Chloroform                 | 4.67 | 83  | 30905 | 1.007 ug/L   | 99     |
| 27) 1,2-Dichloroethane         | 5.41 | 62  | 17978 | 0.991 ug/L   | 96     |
| 29) 1,1,1-Trichloroethane      | 4.91 | 97  | 24662 | 1.017 ug/L   | 98     |
| 30) Cyclohexane                | 4.99 | 56  | 23360 | 0.974 ug/L   | 96     |
| 31) Carbon tetrachloride       | 5.13 | 117 | 20188 | 0.957 ug/L   | 99     |
| 33) Benzene                    | 5.39 | 78  | 61889 | 1.004 ug/L   | 100    |
| 34) Trichloroethene            | 6.18 | 95  | 17330 | 1.007 ug/L   | 93     |
| 35) Methylcyclohexane          | 6.41 | 83  | 27679 | 0.992 ug/L   | 97     |
| 37) 1,2-Dichloropropane        | 6.43 | 63  | 14993 | 0.966 ug/L # | 97     |
| 38) Bromodichloromethane       | 6.76 | 83  | 18990 | 0.980 ug/L   | 99     |
| 39) cis-1,3-Dichloropropene    | 7.27 | 75  | 21842 | 0.961 ug/L   | 98     |
| 40) 4-Methyl-2-pentanone       | 7.46 | 43  | 85325 | 9.777 ug/L   | 98     |

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Feb 22 02:38:28 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.63  | 91   | 67727    | 0.969 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 16650    | 0.913 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane      | 8.06  | 97   | 12544    | 1.032 | ug/L   | 96       |
| 47) Tetrachloroethene          | 8.22  | 164  | 15928    | 0.997 | ug/L   | 98       |
| 48) 2-Hexanone                 | 8.37  | 43   | 59981    | 9.398 | ug/L   | 98       |
| 49) Dibromochloromethane       | 8.48  | 129  | 13886    | 0.943 | ug/L   | 97       |
| 50) 1,2-Dibromoethane          | 8.59  | 107  | 12036    | 1.011 | ug/L # | 98       |
| 51) Chlorobenzene              | 9.12  | 112  | 47638    | 0.992 | ug/L   | 99       |
| 52) Ethylbenzene               | 9.25  | 91   | 74777    | 0.956 | ug/L   | 98       |
| 53) m,p-xylene                 | 9.37  | 106  | 29437    | 0.939 | ug/L   | 98       |
| 54) o-xylene                   | 9.78  | 106  | 28234    | 0.935 | ug/L   | 98       |
| 55) Styrene                    | 9.79  | 104  | 46635    | 0.925 | ug/L   | 97       |
| 56) Isopropylbenzene           | 10.16 | 105  | 77238    | 0.954 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 14475    | 0.966 | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane     | 10.49 | 75   | 10664    | 1.028 | ug/L   | 95       |
| 61) Bromoform                  | 9.95  | 173  | 7871     | 0.963 | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene        | 11.41 | 146  | 38364    | 0.980 | ug/L   | 94       |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 39057    | 0.984 | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 37959    | 1.004 | ug/L   | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 12.65 | 75   | 2168     | 0.976 | ug/L # | 71       |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 30538    | 0.969 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 13.50 | 180  | 25712    | 0.965 | ug/L   | 97       |
| 69) Naphthalene                | 13.75 | 128  | 36367    | 0.883 | ug/L   | 97       |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 23838    | 0.956 | ug/L   | 98       |

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

