

Data File : VU026821.D  
Acq On : 17 Sep 2018 13:37  
Operator : MD/SY  
Sample : VSTD05051  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05051

Quant Time: Sep 18 00:50:33 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091718WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 18 00:50:30 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 259174   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 249710   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 128482   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 96460  | 50.31  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 83287  | 50.75  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.27  | 63  | 181817 | 50.12  | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 4.18  | 46  | 130237 | 102.36 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.65  | 84  | 182856 | 51.42  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 113268 | 50.58  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.34  | 84  | 370667 | 52.97  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.33  | 67  | 116481 | 51.66  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.57  | 98  | 344073 | 54.42  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.85  | 79  | 52490  | 52.14  | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 8.31  | 63  | 97054  | 109.52 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84  | 162394 | 51.65  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.86 | 152 | 135446 | 50.68  | ug/L | 0.00 |

#### Target Compounds

|                                |      |     |        |         |      | Qvalue |
|--------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 120188 | 49.068  | ug/L | 100    |
| 3) Chloromethane               | 1.33 | 50  | 123252 | 49.331  | ug/L | 100    |
| 5) Vinyl chloride              | 1.40 | 62  | 120568 | 49.586  | ug/L | 100    |
| 6) Bromomethane                | 1.62 | 94  | 57960  | 48.262  | ug/L | 100    |
| 8) Chloroethane                | 1.70 | 64  | 75534  | 49.572  | ug/L | 100    |
| 9) Trichlorofluoromethane      | 1.88 | 101 | 150085 | 49.680  | ug/L | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 89129  | 49.805  | ug/L | 100    |
| 12) 1,1-Dichloroethene         | 2.28 | 96  | 83779  | 49.847  | ug/L | 100    |
| 13) Acetone                    | 2.32 | 43  | 124524 | 99.578  | ug/L | 100    |
| 14) Carbon disulfide           | 2.48 | 76  | 283088 | 48.809  | ug/L | 100    |
| 15) Methyl Acetate             | 2.62 | 43  | 106873 | 49.326  | ug/L | 100    |
| 16) Methylene chloride         | 2.70 | 84  | 105027 | 49.157  | ug/L | 100    |
| 17) trans-1,2-Dichloroethene   | 2.98 | 96  | 90319  | 48.793  | ug/L | 100    |
| 18) Methyl tert-butyl Ether    | 3.00 | 73  | 272735 | 50.384  | ug/L | 100    |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 177227 | 49.640  | ug/L | 100    |
| 20) cis-1,2-Dichloroethene     | 4.23 | 96  | 101771 | 49.989  | ug/L | 100    |
| 22) 2-Butanone                 | 4.26 | 43  | 159329 | 103.317 | ug/L | 100    |
| 23) Bromochloromethane         | 4.55 | 128 | 53701  | 48.853  | ug/L | 100    |
| 25) Chloroform                 | 4.67 | 83  | 179718 | 49.699  | ug/L | 100    |
| 27) 1,2-Dichloroethane         | 5.40 | 62  | 141857 | 50.271  | ug/L | 100    |
| 29) Cyclohexane                | 5.00 | 56  | 152148 | 52.477  | ug/L | 100    |
| 30) 1,1,1-Trichloroethane      | 4.92 | 97  | 149666 | 50.380  | ug/L | 100    |
| 31) Carbon tetrachloride       | 5.14 | 117 | 133877 | 50.289  | ug/L | 100    |
| 33) Benzene                    | 5.39 | 78  | 399655 | 51.622  | ug/L | 100    |
| 34) Trichloroethene            | 6.19 | 95  | 91538  | 49.273  | ug/L | 100    |
| 35) Methylcyclohexane          | 6.42 | 83  | 160520 | 53.006  | ug/L | 100    |
| 37) 1,2-Dichloropropane        | 6.43 | 63  | 109367 | 51.425  | ug/L | 100    |
| 38) Bromodichloromethane       | 6.76 | 83  | 133643 | 50.672  | ug/L | 100    |
| 39) cis-1,3-Dichloropropene    | 7.27 | 75  | 154393 | 51.393  | ug/L | 100    |
| 40) 4-Methyl-2-pentanone       | 7.46 | 43  | 268148 | 106.113 | ug/L | 100    |

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Quant Title : VOC Analysis  
QLast Update : Tue Sep 18 00:50:30 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                    | 7.64  | 91   | 412452   | 52.645  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 144613   | 51.411  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 98470    | 50.786  | ug/L  | 100      |
| 46) Tetrachloroethene          | 8.23  | 164  | 83372    | 50.624  | ug/L  | 100      |
| 48) 2-Hexanone                 | 8.36  | 43   | 219450   | 107.660 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.48  | 129  | 110200   | 50.209  | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 8.59  | 107  | 101867   | 50.395  | ug/L  | 100      |
| 51) Chlorobenzene              | 9.12  | 112  | 265915   | 50.021  | ug/L  | 100      |
| 52) Ethylbenzene               | 9.25  | 91   | 432284   | 52.674  | ug/L  | 100      |
| 53) m,p-Xylene                 | 9.38  | 106  | 170748   | 54.121  | ug/L  | 100      |
| 54) o-xylene                   | 9.78  | 106  | 167194   | 54.390  | ug/L  | 100      |
| 55) Styrene                    | 9.79  | 104  | 296798   | 55.924  | ug/L  | 100      |
| 56) Isopropylbenzene           | 10.17 | 105  | 423865   | 53.981  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 163244   | 50.056  | ug/L  | 100      |
| 59) 1,2,3-Trichloropropane     | 10.49 | 75   | 128570   | 50.470  | ug/L  | 100      |
| 61) Bromoform                  | 9.96  | 173  | 81621    | 48.309  | ug/L  | 100      |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146  | 192961   | 49.266  | ug/L  | 100      |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 208023   | 48.233  | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 218669   | 50.421  | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75   | 32072    | 48.746  | ug/L  | 100      |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 151741   | 50.065  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene     | 13.50 | 180  | 127035   | 48.638  | ug/L  | 100      |
| 69) Naphthalene                | 13.74 | 128  | 418316   | 54.365  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 151329   | 52.614  | ug/L  | 100      |

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

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