

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050118\  
 Data File : VU023545.D  
 Acq On : 01 May 2018 10:29  
 Operator : MD/SY  
 Sample : VSTD00557  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 02 02:16:20 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMULM050118WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 02 02:16:14 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 313374   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 299862   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 146997   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 10976 | 5.43 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 8736  | 5.45 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.28  | 63  | 22345 | 5.41 | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 4.18  | 46  | 12923 | 7.39 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.65  | 84  | 17221 | 4.35 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 12687 | 4.79 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.35  | 84  | 37606 | 4.48 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.33  | 67  | 13078 | 4.56 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.57  | 98  | 33150 | 4.32 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.86  | 79  | 4701  | 3.84 | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 8.32  | 63  | 7494  | 5.96 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44 | 84  | 16676 | 4.42 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.87 | 152 | 14602 | 4.85 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |       |      | Qvalue |
|--------------------------------|------|-----|-------|-------|------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 19565 | 6.38  | ug/L | 99     |
| 3) Chloromethane               | 1.33 | 50  | 21000 | 5.46  | ug/L | 99     |
| 5) Vinyl chloride              | 1.41 | 62  | 19412 | 6.05  | ug/L | # 78   |
| 6) Bromomethane                | 1.63 | 94  | 10477 | 6.96  | ug/L | 97     |
| 8) Chloroethane                | 1.70 | 64  | 12862 | 6.95  | ug/L | 93     |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 21991 | 6.14  | ug/L | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 13505 | 5.89  | ug/L | 96     |
| 12) 1,1-Dichloroethene         | 2.29 | 96  | 13201 | 6.27  | ug/L | 84     |
| 13) Acetone                    | 2.32 | 43  | 28290 | 16.48 | ug/L | 99     |
| 14) Carbon disulfide           | 2.48 | 76  | 44201 | 6.18  | ug/L | 100    |
| 15) Methyl Acetate             | 2.62 | 43  | 16679 | 5.47  | ug/L | 97     |
| 16) Methylene chloride         | 2.71 | 84  | 16761 | 6.11  | ug/L | 98     |
| 17) trans-1,2-Dichloroethene   | 2.99 | 96  | 13633 | 5.93  | ug/L | 94     |
| 18) Methyl tert-butyl Ether    | 3.00 | 73  | 38204 | 5.34  | ug/L | 98     |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 27826 | 5.91  | ug/L | 99     |
| 20) cis-1,2-Dichloroethene     | 4.23 | 96  | 15144 | 5.90  | ug/L | 99     |
| 22) 2-Butanone                 | 4.27 | 43  | 27831 | 12.27 | ug/L | 98     |
| 23) Bromochloromethane         | 4.56 | 128 | 7630  | 5.89  | ug/L | 95     |
| 25) Chloroform                 | 4.68 | 83  | 29411 | 6.49  | ug/L | 98     |
| 27) 1,2-Dichloroethane         | 5.41 | 62  | 21166 | 5.84  | ug/L | 98     |
| 29) Cyclohexane                | 5.00 | 56  | 21088 | 4.71  | ug/L | 97     |
| 30) 1,1,1-Trichloroethane      | 4.92 | 97  | 20831 | 5.65  | ug/L | 98     |
| 31) Carbon tetrachloride       | 5.14 | 117 | 17962 | 5.64  | ug/L | 96     |
| 33) Benzene                    | 5.39 | 78  | 56788 | 5.44  | ug/L | 100    |
| 34) Trichloroethene            | 6.19 | 95  | 14934 | 5.91  | ug/L | 95     |
| 35) Methylcyclohexane          | 6.42 | 83  | 20793 | 4.87  | ug/L | 97     |
| 37) 1,2-Dichloropropane        | 6.44 | 63  | 16704 | 5.61  | ug/L | 100    |
| 38) Bromodichloromethane       | 6.76 | 83  | 18547 | 5.60  | ug/L | 100    |
| 39) cis-1,3-Dichloropropene    | 7.27 | 75  | 20613 | 5.04  | ug/L | 97     |
| 40) 4-Methyl-2-pentanone       | 7.46 | 43  | 35767 | 9.16  | ug/L | 96     |

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 Quant Title : VOC Analysis  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 42) Toluene                    | 7.64  | 91   | 56461    | 5.39  | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene  | 7.89  | 75   | 17805    | 4.86  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 14792    | 5.96  | ug/L  | 97       |
| 46) Tetrachloroethene          | 8.23  | 164  | 11980    | 5.96  | ug/L  | 95       |
| 48) 2-Hexanone                 | 8.37  | 43   | 31899    | 10.13 | ug/L  | 97       |
| 49) Dibromochloromethane       | 8.48  | 129  | 14153    | 5.47  | ug/L  | 97       |
| 50) 1,2-Dibromoethane          | 8.59  | 107  | 13934    | 5.49  | ug/L  | 97       |
| 51) Chlorobenzene              | 9.12  | 112  | 40763    | 6.07  | ug/L  | 98       |
| 52) Ethylbenzene               | 9.26  | 91   | 59300    | 5.28  | ug/L  | 100      |
| 53) m,p-Xylene                 | 9.38  | 106  | 22393    | 5.36  | ug/L  | 99       |
| 54) o-xylene                   | 9.79  | 106  | 21017    | 5.12  | ug/L  | 96       |
| 55) Styrene                    | 9.80  | 104  | 35387    | 5.07  | ug/L  | 97       |
| 56) Isopropylbenzene           | 10.17 | 105  | 55065    | 5.15  | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 22948    | 5.42  | ug/L  | 98       |
| 59) 1,2,3-Trichloropropane     | 10.50 | 75   | 18393    | 5.40  | ug/L  | 99       |
| 61) Bromoform                  | 9.96  | 173  | 9811     | 5.19  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146  | 29293    | 5.88  | ug/L  | 98       |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 30575    | 5.91  | ug/L  | 96       |
| 65) 1,2-Dichlorobenzene        | 11.89 | 146  | 30613    | 5.80  | ug/L  | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75   | 4167     | 4.77  | ug/L  | 88       |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 24503    | 6.12  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene     | 13.51 | 180  | 18387    | 5.29  | ug/L  | 99       |
| 69) Naphthalene                | 13.75 | 128  | 37362    | 3.44  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 18844    | 5.01  | ug/L  | 98       |
| -----                          |       |      |          |       |       |          |

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

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