

Data File : VU029283.D  
Acq On : 25 Jan 2019 12:11  
Operator : JC/SP  
Sample : VSTDICV005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV47

Quant Time: Jan 28 02:19:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR012519WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Jan 28 02:17:15 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 70603    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 71075    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 37353    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 33790    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.20% |
| 7) Chloroethane-d5             | 1.68   | 69    | 24812    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.60% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 59295    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 100.00% |
| 20) 2-Butanone-d5              | 4.21   | 46    | 72298    | 52.45    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 104.90% |
| 24) Chloroform-d               | 4.65   | 84    | 54611    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 29311    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.60%  |
| 32) Benzene-d6                 | 5.34   | 84    | 104276   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 31359    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.40% |
| 41) Toluene-d8                 | 7.56   | 98    | 97857    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.80% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 13846    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 102.80% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 67340    | 54.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 108.50% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 26653    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 38052    | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.00% |

#### Target Compounds

|                                |      |     |       |             | Qvalue |
|--------------------------------|------|-----|-------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 48580 | 4.972 ug/L  | 99     |
| 3) Chloromethane               | 1.32 | 50  | 41789 | 4.877 ug/L  | 100    |
| 5) Vinyl chloride              | 1.40 | 62  | 42516 | 4.962 ug/L  | 99     |
| 6) Bromomethane                | 1.63 | 94  | 23992 | 5.200 ug/L  | 99     |
| 8) Chloroethane                | 1.70 | 64  | 22591 | 4.719 ug/L  | 95     |
| 9) Trichlorofluoromethane      | 1.88 | 101 | 56240 | 4.936 ug/L  | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 28243 | 4.875 ug/L  | 98     |
| 12) 1,1-Dichloroethene         | 2.28 | 96  | 26187 | 4.904 ug/L  | 94     |
| 13) Acetone                    | 2.35 | 43  | 49651 | 48.104 ug/L | 99     |
| 14) Carbon disulfide           | 2.48 | 76  | 88282 | 4.774 ug/L  | 98     |
| 15) Methyl Acetate             | 2.63 | 43  | 11755 | 4.752 ug/L  | 100    |
| 16) Methylene chloride         | 2.70 | 84  | 28954 | 4.620 ug/L  | 93     |
| 17) Methyl tert-butyl Ether    | 3.00 | 73  | 67071 | 4.839 ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 2.98 | 96  | 28155 | 4.859 ug/L  | 95     |
| 19) 1,1-Dichloroethane         | 3.44 | 63  | 48759 | 4.716 ug/L  | 98     |
| 21) 2-Butanone                 | 4.30 | 43  | 75282 | 50.390 ug/L | 98     |
| 22) cis-1,2-Dichloroethene     | 4.22 | 96  | 28534 | 4.898 ug/L  | 97     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 23) Bromochloromethane         | 4.55  | 128  | 12765    | 4.823  | ug/L   | 99       |
| 25) Chloroform                 | 4.67  | 83   | 52487    | 4.848  | ug/L   | 99       |
| 27) 1,2-Dichloroethane         | 5.40  | 62   | 35478    | 4.785  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane      | 4.91  | 97   | 47264    | 4.905  | ug/L   | 99       |
| 30) Cyclohexane                | 4.99  | 56   | 43397    | 5.009  | ug/L   | 98       |
| 31) Carbon tetrachloride       | 5.13  | 117  | 41476    | 5.046  | ug/L   | 100      |
| 33) Benzene                    | 5.39  | 78   | 108192   | 4.880  | ug/L   | 100      |
| 34) Trichloroethene            | 6.18  | 95   | 28371    | 4.833  | ug/L   | 97       |
| 35) Methylcyclohexane          | 6.41  | 83   | 46084    | 4.910  | ug/L   | 97       |
| 37) 1,2-Dichloropropane        | 6.43  | 63   | 28701    | 4.905  | ug/L   | 99       |
| 38) Bromodichloromethane       | 6.76  | 83   | 38008    | 4.916  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene    | 7.27  | 75   | 42737    | 5.082  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone       | 7.46  | 43   | 175461   | 49.699 | ug/L   | 98       |
| 42) Toluene                    | 7.63  | 91   | 119405   | 4.992  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 36694    | 5.018  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 20109    | 4.782  | ug/L   | 95       |
| 47) Tetrachloroethene          | 8.22  | 164  | 24479    | 4.751  | ug/L   | 97       |
| 48) 2-Hexanone                 | 8.37  | 43   | 133612   | 51.928 | ug/L   | 99       |
| 49) Dibromochloromethane       | 8.47  | 129  | 26283    | 5.034  | ug/L   | 91       |
| 50) 1,2-Dibromoethane          | 8.58  | 107  | 19009    | 4.672  | ug/L # | 92       |
| 51) Chlorobenzene              | 9.12  | 112  | 77258    | 4.913  | ug/L   | 98       |
| 52) Ethylbenzene               | 9.25  | 91   | 128075   | 4.880  | ug/L   | 100      |
| 53) m,p-xylene                 | 9.37  | 106  | 49741    | 4.988  | ug/L   | 98       |
| 54) o-xylene                   | 9.78  | 106  | 46703    | 4.923  | ug/L   | 99       |
| 55) Styrene                    | 9.79  | 104  | 84602    | 5.125  | ug/L   | 96       |
| 56) Isopropylbenzene           | 10.16 | 105  | 127190   | 4.976  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 25886    | 4.723  | ug/L   | 100      |
| 59) 1,2,3-Trichloropropane     | 10.49 | 75   | 19957    | 4.952  | ug/L   | 100      |
| 61) Bromoform                  | 9.95  | 173  | 15745    | 5.059  | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene        | 11.41 | 146  | 60901    | 4.865  | ug/L   | 99       |
| 63) 1,4-Dichlorobenzene        | 11.50 | 146  | 64241    | 4.813  | ug/L   | 99       |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 60575    | 4.931  | ug/L   | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 12.65 | 75   | 4579     | 5.239  | ug/L   | 96       |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 51920    | 4.922  | ug/L   | 100      |
| 68) 1,2,4-trichlorobenzene     | 13.50 | 180  | 42649    | 4.829  | ug/L   | 98       |
| 69) Naphthalene                | 13.74 | 128  | 73265    | 5.238  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 42792    | 5.203  | ug/L   | 99       |

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

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