

Data File : VR026382.D  
Acq On : 25 Feb 2019 19:02  
Operator : SY/MD  
Sample : VSTDCCC005EC  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :

Quant Time: Feb 26 06:59:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR022219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Feb 26 06:18:07 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 586894   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.28 | 117  | 508577   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 211795   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 259838   | 4.53     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.60%   |
| 7) Chloroethane-d5             | 2.62   | 69    | 208189   | 4.42     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 88.40%   |
| 11) 1,1-Dichloroethene-d2      | 3.61   | 63    | 656881   | 4.88     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 97.60%   |
| 20) 2-Butanone-d5              | 6.58   | 46    | 256797   | 61.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 122.56%  |
| 24) Chloroform-d               | 7.20   | 84    | 481597   | 5.15     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.00%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 201278   | 5.30     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.00%  |
| 32) Benzene-d6                 | 7.85   | 84    | 922160   | 4.83     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.60%   |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 235083   | 4.85     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.00%   |
| 41) Toluene-d8                 | 9.97   | 98    | 861885   | 5.00     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.00%  |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 62776    | 4.91     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.20%   |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 219130   | 67.92    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 135.84%# |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 94480    | 5.14     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 178392   | 4.88     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.60%   |

#### Target Compounds

|                                |      |     |         |        | Qvalue    |
|--------------------------------|------|-----|---------|--------|-----------|
| 2) Dichlorodifluoromethane     | 1.82 | 85  | 255715  | 5.163  | ug/L 96   |
| 3) Chloromethane               | 2.00 | 50  | 307426  | 4.917  | ug/L 97   |
| 5) Vinyl chloride              | 2.15 | 62  | 302504  | 4.991  | ug/L 92   |
| 6) Bromomethane                | 2.52 | 94  | 168730  | 4.832  | ug/L 95   |
| 8) Chloroethane                | 2.65 | 64  | 170975  | 4.688  | ug/L 99   |
| 9) Trichlorofluoromethane      | 2.94 | 101 | 440619m | 5.586  | ug/L      |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.67 | 101 | 240681  | 5.237  | ug/L 97   |
| 12) 1,1-Dichloroethene         | 3.63 | 96  | 260679  | 5.084  | ug/L 87   |
| 13) Acetone                    | 3.70 | 43  | 205248  | 54.446 | ug/L 99   |
| 14) Carbon disulfide           | 3.93 | 76  | 782591  | 4.791  | ug/L 99   |
| 15) Methyl Acetate             | 4.19 | 43  | 58379   | 5.472  | ug/L 97   |
| 16) Methylene chloride         | 4.40 | 84  | 216151  | 4.824  | ug/L 92   |
| 17) Methyl tert-butyl Ether    | 4.89 | 73  | 274255  | 5.716  | ug/L 99   |
| 18) trans-1,2-Dichloroethene   | 4.88 | 96  | 244379  | 5.225  | ug/L 96   |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 431357  | 5.035  | ug/L 95   |
| 21) 2-Butanone                 | 6.69 | 43  | 294940  | 62.425 | ug/L 99   |
| 22) cis-1,2-Dichloroethene     | 6.67 | 96  | 224848  | 5.726  | ug/L # 92 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 23) Bromochloromethane         | 7.05  | 128  | 64652    | 5.315  | ug/L   | 88       |
| 25) Chloroform                 | 7.23  | 83   | 435256   | 5.298  | ug/L   | 87       |
| 27) 1,2-Dichloroethane         | 7.99  | 62   | 215757   | 5.550  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane      | 7.43  | 97   | 371561   | 5.041  | ug/L   | 98       |
| 30) Cyclohexane                | 7.51  | 56   | 388974   | 5.519  | ug/L   | 97       |
| 31) Carbon tetrachloride       | 7.63  | 117  | 347544   | 5.073  | ug/L   | 100      |
| 33) Benzene                    | 7.90  | 78   | 975359   | 4.990  | ug/L   | 100      |
| 34) Trichloroethene            | 8.71  | 95   | 247582   | 5.036  | ug/L   | 99       |
| 35) Methylcyclohexane          | 8.95  | 83   | 378651   | 5.430  | ug/L   | 100      |
| 37) 1,2-Dichloropropane        | 8.99  | 63   | 210214   | 5.065  | ug/L   | 98       |
| 38) Bromodichloromethane       | 9.28  | 83   | 248877   | 5.230  | ug/L # | 92       |
| 39) cis-1,3-Dichloropropene    | 9.72  | 75   | 257394   | 5.679  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone       | 9.86  | 43   | 754026   | 66.444 | ug/L   | 99       |
| 42) Toluene                    | 10.03 | 91   | 1037335  | 5.284  | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene  | 10.26 | 75   | 185255   | 5.605  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane      | 10.44 | 97   | 91317    | 5.326  | ug/L   | 95       |
| 47) Tetrachloroethene          | 10.51 | 164  | 179841   | 5.045  | ug/L   | 97       |
| 48) 2-Hexanone                 | 10.63 | 43   | 522626   | 66.649 | ug/L   | 95       |
| 49) Dibromochloromethane       | 10.79 | 129  | 116361   | 5.459  | ug/L   | 98       |
| 50) 1,2-Dibromoethane          | 10.89 | 107  | 76972    | 5.759  | ug/L   | 93       |
| 51) Chlorobenzene              | 11.31 | 112  | 570053   | 5.311  | ug/L   | 97       |
| 52) Ethylbenzene               | 11.39 | 91   | 1214712  | 5.506  | ug/L   | 100      |
| 53) m,p-Xylene                 | 11.50 | 106  | 440148   | 5.596  | ug/L   | 96       |
| 54) o-Xylene                   | 11.83 | 106  | 403216   | 5.873  | ug/L   | 97       |
| 55) Styrene                    | 11.84 | 104  | 632204   | 5.826  | ug/L   | 97       |
| 56) Isopropylbenzene           | 12.13 | 105  | 1152595  | 5.912  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.39 | 83   | 88589    | 5.671  | ug/L # | 93       |
| 59) 1,2,3-Trichloropropane     | 12.43 | 75   | 66219    | 5.790  | ug/L   | 96       |
| 61) Bromoform                  | 12.01 | 173  | 48509    | 4.939  | ug/L   | 95       |
| 62) 1,3-Dichlorobenzene        | 13.16 | 146  | 332205   | 5.164  | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146  | 354766   | 4.967  | ug/L   | 96       |
| 65) 1,2-Dichlorobenzene        | 13.53 | 146  | 282589   | 5.309  | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 14.15 | 75   | 9385     | 4.738  | ug/L # | 81       |
| 67) 1,3,5-Trichlorobenzene     | 14.29 | 180  | 203847   | 5.114  | ug/L   | 96       |
| 68) 1,2,4-trichlorobenzene     | 14.78 | 180  | 123762   | 5.409  | ug/L   | 99       |
| 69) Naphthalene                | 15.00 | 128  | 121612   | 5.758  | ug/L   | 97       |
| 70) 1,2,3-Trichlorobenzene     | 15.18 | 180  | 94199    | 5.845  | ug/L   | 99       |

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

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