

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX093020\  
 Data File : VX018699.D  
 Acq On : 30 Sep 2020 15:40  
 Operator : JC/SP  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD00587

Quant Time: Oct 01 02:30:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR092820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Oct 01 01:06:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 246836   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 233768   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 117206   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 47501    | 3.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 73.60%  |
| 7) Chloroethane-d5             | 1.70   | 69    | 45541    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 122931   | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 86.20%  |
| 20) 2-Butanone-d5              | 4.55   | 46    | 172400   | 52.34    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 104.68% |
| 24) Chloroform-d               | 5.14   | 84    | 140618   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.80%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 79232    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.80%  |
| 32) Benzene-d6                 | 6.04   | 84    | 235637   | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.40%  |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 73331    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.20%  |
| 41) Toluene-d8                 | 8.70   | 98    | 223896   | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.40%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 32402    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.60%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 141128   | 53.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 107.78% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 61838    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.00% |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 91348    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.40%  |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85   | 79167    | 5.300  | ug/L   | 98     |
| 3) Chloromethane               | 1.31 | 50   | 62023    | 4.861  | ug/L   | 93     |
| 5) Vinyl chloride              | 1.39 | 62   | 68885    | 5.154  | ug/L   | 99     |
| 6) Bromomethane                | 1.64 | 94   | 38816    | 4.858  | ug/L   | 95     |
| 8) Chloroethane                | 1.72 | 64   | 39544    | 5.380  | ug/L   | 97     |
| 9) Trichlorofluoromethane      | 1.92 | 101  | 129085   | 5.576  | ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.36 | 101  | 66495    | 5.233  | ug/L   | 97     |
| 12) 1,1-Dichloroethene         | 2.36 | 96   | 63961    | 5.308  | ug/L   | 84     |
| 13) Acetone                    | 2.45 | 43   | 108219   | 59.362 | ug/L   | 93     |
| 14) Carbon disulfide           | 2.55 | 76   | 179869   | 4.909  | ug/L   | 99     |
| 15) Methyl Acetate             | 2.76 | 43   | 26254    | 5.203  | ug/L   | 98     |
| 16) Methylene chloride         | 2.84 | 84   | 71162    | 4.322  | ug/L   | 96     |
| 17) Methyl tert-butyl Ether    | 3.17 | 73   | 144306   | 5.381  | ug/L   | 99     |
| 18) trans-1,2-Dichloroethene   | 3.14 | 96   | 61239    | 5.084  | ug/L   | 92     |
| 19) 1,1-Dichloroethane         | 3.67 | 63   | 116004   | 5.370  | ug/L   | 98     |
| 21) 2-Butanone                 | 4.65 | 43   | 156840   | 54.202 | ug/L # | 59     |
| 22) cis-1,2-Dichloroethene     | 4.56 | 96   | 63849    | 5.080  | ug/L   | 97     |

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 Operator : JC/SP  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD00587

Quant Time: Oct 01 02:30:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR092820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Oct 01 01:06:26 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 23) Bromochloromethane         | 4.98  | 128  | 32724    | 5.430  | ug/L   | 91       |
| 25) Chloroform                 | 5.17  | 83   | 127068   | 5.382  | ug/L   | 94       |
| 27) 1,2-Dichloroethane         | 6.16  | 62   | 85785    | 5.744  | ug/L # | 95       |
| 29) 1,1,1-Trichloroethane      | 5.46  | 97   | 126147   | 5.665  | ug/L   | 100      |
| 30) Cyclohexane                | 5.54  | 56   | 93147    | 5.259  | ug/L   | 97       |
| 31) Carbon tetrachloride       | 5.75  | 117  | 115381   | 5.620  | ug/L   | 99       |
| 33) Benzene                    | 6.11  | 78   | 243707   | 5.407  | ug/L   | 100      |
| 34) Trichloroethene            | 7.18  | 95   | 67916    | 5.208  | ug/L   | 97       |
| 35) Methylcyclohexane          | 7.44  | 83   | 95294    | 5.253  | ug/L   | 97       |
| 37) 1,2-Dichloropropane        | 7.49  | 63   | 63905    | 5.314  | ug/L   | 99       |
| 38) Bromodichloromethane       | 7.87  | 83   | 88975    | 5.480  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene    | 8.42  | 75   | 91316    | 5.354  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone       | 8.62  | 43   | 372915   | 55.945 | ug/L   | 99       |
| 42) Toluene                    | 8.76  | 91   | 272407   | 5.595  | ug/L   | 99       |
| 43) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 238406   | 5.601  | ug/L   | 99       |
| 44) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 239831   | 5.632  | ug/L   | 99       |
| 46) trans-1,3-Dichloropropene  | 9.02  | 75   | 83310    | 5.356  | ug/L   | 97       |
| 47) 1,1,2-Trichloroethane      | 9.20  | 97   | 45671    | 5.292  | ug/L   | 91       |
| 49) Tetrachloroethene          | 9.31  | 164  | 58705    | 5.717  | ug/L   | 94       |
| 50) 2-Hexanone                 | 9.48  | 43   | 278673   | 59.065 | ug/L   | 98       |
| 51) Dibromochloromethane       | 9.57  | 129  | 60784    | 5.383  | ug/L   | 100      |
| 52) 1,2-Dibromoethane          | 9.65  | 107  | 44476    | 5.532  | ug/L # | 97       |
| 53) Chlorobenzene              | 10.12 | 112  | 173558   | 5.397  | ug/L   | 99       |
| 54) Ethylbenzene               | 10.23 | 91   | 295655   | 5.575  | ug/L   | 99       |
| 55) m,p-xylene                 | 10.34 | 106  | 111190   | 5.484  | ug/L   | 99       |
| 56) o-xylene                   | 10.68 | 106  | 107434   | 5.607  | ug/L   | 85       |
| 57) Styrene                    | 10.70 | 104  | 183103   | 5.789  | ug/L   | 99       |
| 58) Isopropylbenzene           | 11.00 | 105  | 287591   | 5.598  | ug/L   | 99       |
| 60) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 52926    | 5.430  | ug/L # | 95       |
| 62) Bromoform                  | 10.84 | 173  | 36630    | 5.870  | ug/L   | 91       |
| 63) 1,3-Dichlorobenzene        | 12.01 | 146  | 144592   | 5.675  | ug/L   | 98       |
| 64) 1,4-Dichlorobenzene        | 12.08 | 146  | 148457   | 5.768  | ug/L   | 99       |
| 66) 1,2-Dichlorobenzene        | 12.38 | 146  | 134511   | 5.667  | ug/L   | 95       |
| 67) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 10522    | 5.213  | ug/L   | 94       |
| 68) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 109681   | 5.734  | ug/L   | 95       |
| 69) 1,2,4-trichlorobenzene     | 13.63 | 180  | 91395    | 5.829  | ug/L   | 96       |
| 70) Naphthalene                | 13.82 | 128  | 151981   | 5.734  | ug/L   | 98       |
| 71) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 82359    | 5.812  | ug/L   | 98       |

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

