

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100620\  
 Data File : VX018789.D  
 Acq On : 06 Oct 2020 10:05  
 Operator : JC/SP  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD00595

Quant Time: Oct 07 01:26:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR100220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 06 05:58:52 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 132796   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.09 | 117  | 128223   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 68462    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 30054    | 3.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.40%  |
| 7) Chloroethane-d5             | 1.70   | 69    | 26034    | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 70809    | 4.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 81.00%  |
| 20) 2-Butanone-d5              | 4.54   | 46    | 102592   | 50.42    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.84% |
| 24) Chloroform-d               | 5.14   | 84    | 80687    | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.00%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 45625    | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.60%  |
| 32) Benzene-d6                 | 6.04   | 84    | 137593   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.40%  |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 43537    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.60%  |
| 41) Toluene-d8                 | 8.70   | 98    | 130279   | 4.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.00%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 20395    | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.20%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 83663    | 50.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.74% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 36217    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.60%  |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 55906    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 88.60%  |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85   | 46165    | 5.178  | ug/L   | 98     |
| 3) Chloromethane               | 1.31 | 50   | 35393    | 5.510  | ug/L   | 97     |
| 5) Vinyl chloride              | 1.39 | 62   | 40218    | 5.613  | ug/L   | 98     |
| 6) Bromomethane                | 1.64 | 94   | 22626    | 5.329  | ug/L   | 91     |
| 8) Chloroethane                | 1.72 | 64   | 24699    | 5.683  | ug/L   | 94     |
| 9) Trichlorofluoromethane      | 1.92 | 101  | 76866    | 5.028  | ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.37 | 101  | 41600    | 5.579  | ug/L   | 98     |
| 12) 1,1-Dichloroethene         | 2.36 | 96   | 36155    | 5.466  | ug/L   | 78     |
| 13) Acetone                    | 2.45 | 43   | 62577    | 56.332 | ug/L   | 98     |
| 14) Carbon disulfide           | 2.55 | 76   | 113435   | 5.479  | ug/L   | 99     |
| 15) Methyl Acetate             | 2.76 | 43   | 15115    | 5.536  | ug/L   | 91     |
| 16) Methylene chloride         | 2.83 | 84   | 38458    | 4.795  | ug/L   | 96     |
| 17) Methyl tert-butyl Ether    | 3.17 | 73   | 88047    | 5.160  | ug/L   | 97     |
| 18) trans-1,2-Dichloroethene   | 3.14 | 96   | 39237    | 5.539  | ug/L   | 95     |
| 19) 1,1-Dichloroethane         | 3.67 | 63   | 70538    | 5.602  | ug/L   | 98     |
| 21) 2-Butanone                 | 4.65 | 43   | 95147    | 58.836 | ug/L   | 97     |
| 22) cis-1,2-Dichloroethene     | 4.56 | 96   | 41356    | 5.662  | ug/L # | 98     |

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 Data File : VX018789.D  
 Acq On : 06 Oct 2020 10:05  
 Operator : JC/SP  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD00595

Quant Time: Oct 07 01:26:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR100220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 06 05:58:52 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 23) Bromochloromethane         | 4.98  | 128  | 19510    | 5.268  | ug/L   | 95       |
| 25) Chloroform                 | 5.17  | 83   | 76843    | 5.340  | ug/L   | 97       |
| 27) 1,2-Dichloroethane         | 6.15  | 62   | 50781    | 4.858  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane      | 5.46  | 97   | 75823    | 4.999  | ug/L   | 99       |
| 30) Cyclohexane                | 5.54  | 56   | 57742    | 5.488  | ug/L   | 99       |
| 31) Carbon tetrachloride       | 5.75  | 117  | 70997    | 5.075  | ug/L   | 99       |
| 33) Benzene                    | 6.11  | 78   | 150917   | 5.621  | ug/L   | 100      |
| 34) Trichloroethene            | 7.18  | 95   | 43100    | 5.437  | ug/L   | 96       |
| 35) Methylcyclohexane          | 7.44  | 83   | 61751    | 5.497  | ug/L   | 96       |
| 37) 1,2-Dichloropropane        | 7.48  | 63   | 36692    | 5.455  | ug/L   | 99       |
| 38) Bromodichloromethane       | 7.87  | 83   | 55181    | 5.144  | ug/L # | 95       |
| 39) cis-1,3-Dichloropropene    | 8.42  | 75   | 56222    | 5.236  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone       | 8.62  | 43   | 222576   | 57.115 | ug/L   | 99       |
| 42) Toluene                    | 8.76  | 91   | 170533   | 5.804  | ug/L   | 97       |
| 43) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 149480   | 5.375  | ug/L   | 97       |
| 44) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 155739   | 5.518  | ug/L   | 97       |
| 46) trans-1,3-Dichloropropene  | 9.02  | 75   | 51724    | 5.218  | ug/L   | 99       |
| 47) 1,1,2-Trichloroethane      | 9.20  | 97   | 27967    | 5.509  | ug/L   | 90       |
| 49) Tetrachloroethene          | 9.32  | 164  | 37174    | 5.364  | ug/L   | 98       |
| 50) 2-Hexanone                 | 9.47  | 43   | 168229   | 59.438 | ug/L   | 98       |
| 51) Dibromochloromethane       | 9.56  | 129  | 39171    | 5.309  | ug/L   | 98       |
| 52) 1,2-Dibromoethane          | 9.65  | 107  | 27316    | 5.323  | ug/L # | 92       |
| 53) Chlorobenzene              | 10.12 | 112  | 113798   | 5.662  | ug/L   | 100      |
| 54) Ethylbenzene               | 10.23 | 91   | 183467   | 5.570  | ug/L   | 99       |
| 55) m,p-xylene                 | 10.34 | 106  | 72811    | 5.667  | ug/L   | 98       |
| 56) o-xylene                   | 10.68 | 106  | 68620    | 5.780  | ug/L   | 95       |
| 57) Styrene                    | 10.70 | 104  | 113038   | 5.581  | ug/L   | 96       |
| 58) Isopropylbenzene           | 11.00 | 105  | 188851   | 5.682  | ug/L   | 98       |
| 60) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 32977    | 5.861  | ug/L   | 99       |
| 62) Bromoform                  | 10.84 | 173  | 21871    | 4.834  | ug/L   | 97       |
| 63) 1,3-Dichlorobenzene        | 12.01 | 146  | 95219    | 5.722  | ug/L   | 98       |
| 64) 1,4-Dichlorobenzene        | 12.08 | 146  | 90905    | 5.478  | ug/L   | 96       |
| 66) 1,2-Dichlorobenzene        | 12.38 | 146  | 84807    | 5.458  | ug/L   | 97       |
| 67) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 6398     | 4.832  | ug/L   | 96       |
| 68) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 72337    | 5.648  | ug/L   | 99       |
| 69) 1,2,4-trichlorobenzene     | 13.63 | 180  | 57209    | 5.380  | ug/L   | 95       |
| 70) Naphthalene                | 13.82 | 128  | 94207    | 5.420  | ug/L   | 99       |
| 71) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 52648    | 5.503  | ug/L   | 99       |

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

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

Instrument :  
MSVOA\_X  
ClientSampleID :  
VSTD00595

Quant Time: Oct 07 01:26:18 2020  
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