

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100120\  
 Data File : VX018727.D  
 Acq On : 01 Oct 2020 14:58  
 Operator : JC/SP  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC005

Quant Time: Oct 02 08:53:39 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     | 6.82  | 114  | 195372   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 188050   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 103061   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 56497    | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 110.60% |
| 7) Chloroethane-d5             | 1.70   | 69    | 42675    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 125382   | 5.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 111.00% |
| 20) 2-Butanone-d5              | 4.56   | 46    | 139390   | 53.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.94% |
| 24) Chloroform-d               | 5.14   | 84    | 127621   | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.40% |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 75409    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.80% |
| 32) Benzene-d6                 | 6.04   | 84    | 221057   | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.80% |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 63914    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.60%  |
| 41) Toluene-d8                 | 8.70   | 98    | 221454   | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.60% |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 30629    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 104.00% |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 114699   | 54.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 108.90% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 50940    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.40% |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 84900    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.80% |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85   | 70303    | 5.946  | ug/L   | 99     |
| 3) Chloromethane               | 1.31 | 50   | 49188    | 4.871  | ug/L   | 89     |
| 5) Vinyl chloride              | 1.39 | 62   | 54494    | 5.151  | ug/L   | 95     |
| 6) Bromomethane                | 1.64 | 94   | 32561    | 5.149  | ug/L   | 97     |
| 8) Chloroethane                | 1.72 | 64   | 34010    | 5.846  | ug/L   | 95     |
| 9) Trichlorofluoromethane      | 1.92 | 101  | 115997   | 6.331  | ug/L   | 96     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.37 | 101  | 59070    | 5.873  | ug/L   | 97     |
| 12) 1,1-Dichloroethene         | 2.36 | 96   | 52922    | 5.548  | ug/L   | 92     |
| 13) Acetone                    | 2.46 | 43   | 93416    | 64.740 | ug/L   | 94     |
| 14) Carbon disulfide           | 2.55 | 76   | 153115   | 5.280  | ug/L   | 99     |
| 15) Methyl Acetate             | 2.76 | 43   | 19337    | 4.842  | ug/L   | 96     |
| 16) Methylene chloride         | 2.83 | 84   | 66149    | 5.076  | ug/L   | 99     |
| 17) Methyl tert-butyl Ether    | 3.17 | 73   | 130805   | 6.162  | ug/L   | 99     |
| 18) trans-1,2-Dichloroethene   | 3.14 | 96   | 52252    | 5.481  | ug/L   | 95     |
| 19) 1,1-Dichloroethane         | 3.67 | 63   | 97476    | 5.701  | ug/L   | 96     |
| 21) 2-Butanone                 | 4.66 | 43   | 134518   | 58.733 | ug/L # | 61     |
| 22) cis-1,2-Dichloroethene     | 4.56 | 96   | 55996    | 5.629  | ug/L   | 93     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 23) Bromochloromethane         | 4.98  | 128  | 28183    | 5.909  | ug/L   | 88       |
| 25) Chloroform                 | 5.17  | 83   | 111875   | 5.987  | ug/L   | 98       |
| 27) 1,2-Dichloroethane         | 6.16  | 62   | 75460    | 6.384  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane      | 5.46  | 97   | 114472   | 6.391  | ug/L   | 99       |
| 30) Cyclohexane                | 5.54  | 56   | 78056    | 5.478  | ug/L   | 99       |
| 31) Carbon tetrachloride       | 5.74  | 117  | 105597   | 6.393  | ug/L   | 100      |
| 33) Benzene                    | 6.11  | 78   | 210174   | 5.797  | ug/L   | 100      |
| 34) Trichloroethene            | 7.18  | 95   | 61528    | 5.865  | ug/L   | 99       |
| 35) Methylcyclohexane          | 7.44  | 83   | 84271    | 5.775  | ug/L   | 96       |
| 37) 1,2-Dichloropropane        | 7.49  | 63   | 48699    | 5.034  | ug/L   | 98       |
| 38) Bromodichloromethane       | 7.87  | 83   | 80590    | 6.171  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene    | 8.42  | 75   | 84042    | 6.125  | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone       | 8.62  | 43   | 316142   | 58.959 | ug/L   | 99       |
| 42) Toluene                    | 8.76  | 91   | 231712   | 5.917  | ug/L   | 99       |
| 43) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 217612   | 6.355  | ug/L   | 99       |
| 44) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 226308   | 6.607  | ug/L   | 97       |
| 46) trans-1,3-Dichloropropene  | 9.02  | 75   | 78299    | 6.257  | ug/L   | 95       |
| 47) 1,1,2-Trichloroethane      | 9.20  | 97   | 40165    | 5.786  | ug/L   | 94       |
| 49) Tetrachloroethene          | 9.32  | 164  | 52747    | 6.386  | ug/L   | 98       |
| 50) 2-Hexanone                 | 9.47  | 43   | 234493   | 61.784 | ug/L   | 99       |
| 51) Dibromochloromethane       | 9.56  | 129  | 57309    | 6.309  | ug/L   | 98       |
| 52) 1,2-Dibromoethane          | 9.65  | 107  | 38136    | 5.897  | ug/L # | 99       |
| 53) Chlorobenzene              | 10.12 | 112  | 151398   | 5.852  | ug/L   | 97       |
| 54) Ethylbenzene               | 10.23 | 91   | 257446   | 6.035  | ug/L   | 97       |
| 55) m,p-xylene                 | 10.34 | 106  | 98601    | 6.045  | ug/L   | 93       |
| 56) o-xylene                   | 10.68 | 106  | 95594    | 6.202  | ug/L   | 85       |
| 57) Styrene                    | 10.70 | 104  | 164686   | 6.472  | ug/L   | 99       |
| 58) Isopropylbenzene           | 11.00 | 105  | 258867   | 6.264  | ug/L   | 100      |
| 60) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 44176    | 5.634  | ug/L   | 95       |
| 62) Bromoform                  | 10.84 | 173  | 33832    | 6.166  | ug/L   | 95       |
| 63) 1,3-Dichlorobenzene        | 12.01 | 146  | 131667   | 5.877  | ug/L   | 99       |
| 64) 1,4-Dichlorobenzene        | 12.08 | 146  | 130297   | 5.757  | ug/L   | 95       |
| 66) 1,2-Dichlorobenzene        | 12.38 | 146  | 122798   | 5.883  | ug/L   | 94       |
| 67) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 9980     | 5.623  | ug/L   | 97       |
| 68) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 98254    | 5.841  | ug/L   | 94       |
| 69) 1,2,4-trichlorobenzene     | 13.63 | 180  | 84351    | 6.118  | ug/L   | 98       |
| 70) Naphthalene                | 13.82 | 128  | 138644   | 5.949  | ug/L   | 100      |
| 71) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 74377    | 5.969  | ug/L   | 97       |

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

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