

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL100719\  
 Data File : VL034223.D  
 Acq On : 7 Oct 2019 12:13  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Oct 09 02:28:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091719AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Sep 18 12:53:31 2019  
 QLast Update : Wed Sep 18 12:53:31 2019  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 1 I  | Bromochloromethane          | 10.000 | 10.000 | 0.0  | 81    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 10.451 | -4.5 | 103   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 8.896  | 11.0 | 78    | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.377  | 6.2  | 81    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 8.977  | 10.2 | 80    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 9.680  | 3.2  | 82    | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.475  | 5.3  | 81    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.223  | 7.8  | 83    | 0.00     |
| 9 T  | Propene                     | 10.000 | 9.285  | 7.1  | 79    | 0.00     |
| 10 T | Heptane                     | 10.000 | 9.202  | 8.0  | 78    | -0.01    |
| 11 T | Trichlorofluoromethane      | 10.000 | 9.316  | 6.8  | 82    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.560  | 4.4  | 84    | 0.00     |
| 13   | Ethanol                     | 10.000 | 7.186  | 28.1 | 90    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 10.128 | -1.3 | 84    | 0.00     |
| 15 T | Acetone                     | 10.000 | 7.886  | 21.1 | 81    | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.392  | 6.1  | 79    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 9.389  | 6.1  | 81    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 10.211 | -2.1 | 86    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 8.371  | 16.3 | 82    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 9.137  | 8.6  | 86    | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.817  | 1.8  | 81    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 10.371 | -3.7 | 87    | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 9.384  | 6.2  | 80    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.107  | 8.9  | 81    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 8.784  | 12.2 | 80    | 0.00     |
| 26 T | Hexane                      | 10.000 | 9.056  | 9.4  | 81    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 10.720 | -7.2 | 84    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 9.920  | 0.8  | 85    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.342  | 6.6  | 81    | -0.01    |
| 30 T | Cyclohexane                 | 10.000 | 9.774  | 2.3  | 82    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.420  | 5.8  | 79    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.179  | 8.2  | 80    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0  | 87    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 8.164  | 18.4 | 77    | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 8.524  | 14.8 | 79    | 0.00     |
| 36 T | Benzene                     | 10.000 | 8.871  | 11.3 | 83    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 8.308  | 16.9 | 76    | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 8.222  | 17.8 | 81    | -0.01    |
| 39 T | 1,2-Dichloropropane         | 10.000 | 8.627  | 13.7 | 80    | -0.01    |
| 40 T | 1,4-Dioxane                 | 10.000 | 8.569  | 14.3 | 89    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 8.870  | 11.3 | 79    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 9.008  | 9.9  | 81    | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 9.392  | 6.1  | 82    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 8.433  | 15.7 | 83    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 10.279 | -2.8 | 79    | 0.00     |

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 LabSampleId :  
 VSTDCCC010

Quant Time: Oct 09 02:28:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091719AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Wed Sep 18 12:53:31 2019  
 QLast Update : Wed Sep 18 12:53:31 2019  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                  | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|---------------------------|--------|--------|------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 10.000 | 9.751  | 2.5  | 81    | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 10.000 | 8.684  | 13.2 | 82    | 0.00     |
| 48 T | Dibromochloromethane      | 10.000 | 9.016  | 9.8  | 80    | -0.01    |
| 49 T | Bromoform                 | 10.000 | 9.473  | 5.3  | 81    | -0.01    |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 8.328  | 16.7 | 79    | 0.00     |
| 51 T | 2-Hexanone                | 10.000 | 8.345  | 16.5 | 76    | -0.01    |
| 52 T | Tetrachloroethene         | 10.000 | 8.239  | 17.6 | 81    | 0.00     |
| 53 T | Toluene                   | 10.000 | 9.080  | 9.2  | 83    | -0.01    |
| 54 T | 1,2-Dibromoethane         | 10.000 | 8.710  | 12.9 | 80    | -0.01    |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0  | 88    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 8.371  | 16.3 | 80    | 0.00     |
| 57 T | Chlorobenzene             | 10.000 | 7.922  | 20.8 | 81    | 0.00     |
| 58 T | Ethyl Benzene             | 10.000 | 8.264  | 17.4 | 83    | -0.01    |
| 59 T | m/p-Xylene                | 20.000 | 16.018 | 19.9 | 82    | 0.00     |
| 60 T | o-Xylene                  | 10.000 | 8.026  | 19.7 | 83    | -0.01    |
| 61 T | Styrene                   | 10.000 | 8.411  | 15.9 | 81    | -0.01    |
| 62   | Isopropylbenzene          | 10.000 | 8.051  | 19.5 | 83    | -0.02    |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 7.012  | 29.9 | 80    | 0.00     |
| 64   | n-propylbenzene           | 10.000 | 8.206  | 17.9 | 80    | -0.02    |
| 65   | tert-Butylbenzene         | 10.000 | 7.762  | 22.4 | 82    | 0.00     |
| 66 T | Benzyl Chloride           | 10.000 | 10.707 | -7.1 | 80    | 0.00     |
| 67   | sec-Butylbenzene          | 10.000 | 7.873  | 21.3 | 83    | -0.01    |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.260  | 7.4  | 83    | -0.02    |
| 69   | p-Isopropyltoluene        | 10.000 | 7.872  | 21.3 | 82    | -0.01    |
| 70   | n-Butylbenzene            | 10.000 | 7.617  | 23.8 | 81    | 0.00     |
| 71   | 2-Chlorotoluene           | 10.000 | 8.007  | 19.9 | 81    | -0.01    |
| 72 T | 4-Ethyltoluene            | 10.000 | 8.154  | 18.5 | 82    | -0.01    |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 8.025  | 19.7 | 82    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 7.506  | 24.9 | 81    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 7.527  | 24.7 | 80    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 7.588  | 24.1 | 79    | -0.01    |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 7.442  | 25.6 | 78    | -0.01    |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 7.675  | 23.3 | 87    | -0.01    |
| 79 T | Naphthalene               | 10.000 | 7.772  | 22.3 | 80    | -0.02    |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 7.023  | 29.8 | 61    | -0.01    |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 7.684  | 23.2 | 81    | -0.01    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0