

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\  
 Data File : VL035078.D  
 Acq On : 22 May 2020 9:47  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: May 22 23:29:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed May 06 14:49:39 2020  
 QLast Update : Wed May 06 14:49:39 2020  
 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   | 92    | -0.02    |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 7.878  | 21.2  | 96    | -0.01    |
| 3    | Chlorodifluoromethane       | 10.000 | 9.842  | 1.6   | 105   | -0.01    |
| 4    | Chloromethane               | 10.000 | 9.888  | 1.1   | 105   | -0.02    |
| 5 T  | Vinyl Chloride              | 10.000 | 9.922  | 0.8   | 104   | -0.01    |
| 6 T  | Bromomethane                | 10.000 | 10.082 | -0.8  | 105   | -0.01    |
| 7    | Chloroethane                | 10.000 | 10.367 | -3.7  | 105   | -0.01    |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.938  | 0.6   | 107   | -0.01    |
| 9 T  | Propene                     | 10.000 | 9.452  | 5.5   | 97    | -0.02    |
| 10 T | Heptane                     | 10.000 | 10.703 | -7.0  | 102   | -0.02    |
| 11 T | Trichlorofluoromethane      | 10.000 | 10.289 | -2.9  | 107   | -0.01    |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 10.054 | -0.5  | 105   | -0.02    |
| 13   | Ethanol                     | 10.000 | 8.662  | 13.4  | 97    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 10.772 | -7.7  | 105   | -0.01    |
| 15 T | Acetone                     | 10.000 | 8.967  | 10.3  | 108   | -0.02    |
| 16 T | 1,3-Butadiene               | 10.000 | 10.121 | -1.2  | 104   | -0.01    |
| 17   | tert-Butyl alcohol          | 10.000 | 9.672  | 3.3   | 99    | -0.02    |
| 18 T | 1,1-Dichloroethene          | 10.000 | 10.761 | -7.6  | 105   | -0.02    |
| 19 T | Isopropyl Alcohol           | 10.000 | 9.685  | 3.1   | 101   | -0.02    |
| 20 T | Methylene Chloride          | 10.000 | 9.832  | 1.7   | 106   | -0.02    |
| 21 T | Allyl Chloride              | 10.000 | 10.789 | -7.9  | 102   | -0.02    |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 10.707 | -7.1  | 102   | -0.02    |
| 23 T | Vinyl Acetate               | 10.000 | 10.444 | -4.4  | 102   | -0.02    |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.978  | 0.2   | 104   | -0.02    |
| 25 T | Ethyl Acetate               | 10.000 | 10.246 | -2.5  | 104   | -0.02    |
| 26 T | Hexane                      | 10.000 | 10.470 | -4.7  | 105   | -0.02    |
| 27 T | Carbon Disulfide            | 10.000 | 11.066 | -10.7 | 101   | -0.02    |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 9.946  | 0.5   | 97    | -0.02    |
| 29 T | Chloroform                  | 10.000 | 10.052 | -0.5  | 106   | -0.02    |
| 30 T | Cyclohexane                 | 10.000 | 11.303 | -13.0 | 105   | -0.02    |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 10.898 | -9.0  | 105   | -0.02    |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 10.624 | -6.2  | 106   | -0.02    |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 91    | -0.02    |
| 34 T | 2-Butanone                  | 10.000 | 10.154 | -1.5  | 102   | -0.02    |
| 35 T | Carbon Tetrachloride        | 10.000 | 10.699 | -7.0  | 105   | -0.02    |
| 36 T | Benzene                     | 10.000 | 10.503 | -5.0  | 104   | -0.02    |
| 37 T | 1,2-Dichloroethane          | 10.000 | 10.467 | -4.7  | 107   | -0.02    |
| 38 T | Trichloroethene             | 10.000 | 10.437 | -4.4  | 106   | -0.02    |
| 39 T | 1,2-Dichloropropane         | 10.000 | 10.158 | -1.6  | 102   | -0.02    |
| 40 T | 1,4-Dioxane                 | 10.000 | 10.035 | -0.4  | 102   | -0.02    |
| 41 T | Tetrahydrofuran             | 10.000 | 10.718 | -7.2  | 100   | -0.02    |
| 42 T | Bromodichloromethane        | 10.000 | 10.652 | -6.5  | 106   | -0.03    |
| 43   | Methyl Methacrylate         | 10.000 | 11.423 | -14.2 | 104   | -0.02    |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 10.286 | -2.9  | 105   | -0.02    |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 12.514 | -25.1 | 101   | -0.02    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\  
 Data File : VL035078.D  
 Acq On : 22 May 2020 9:47  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: May 22 23:29:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed May 06 14:49:39 2020  
 QLast Update : Wed May 06 14:49:39 2020  
 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 | 12.085 | -20.9   | 103   | -0.02    |
| 47 T | 1,1,2-Trichloroethane     | 10.000 | 10.467 | -4.7    | 106   | -0.02    |
| 48 T | Dibromochloromethane      | 10.000 | 11.257 | -12.6   | 105   | -0.02    |
| 49 T | Bromoform                 | 10.000 | 11.297 | -13.0   | 102   | -0.02    |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 10.677 | -6.8    | 103   | -0.02    |
| 51 T | 2-Hexanone                | 10.000 | 11.266 | -12.7   | 102   | -0.02    |
| 52 T | Tetrachloroethene         | 10.000 | 10.402 | -4.0    | 106   | -0.03    |
| 53 T | Toluene                   | 10.000 | 11.525 | -15.3   | 105   | -0.02    |
| 54 T | 1,2-Dibromoethane         | 10.000 | 10.724 | -7.2    | 105   | -0.02    |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0     | 95    | -0.02    |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 9.545  | 4.6     | 104   | -0.03    |
| 57 T | Chlorobenzene             | 10.000 | 9.334  | 6.7     | 106   | -0.02    |
| 58 T | Ethyl Benzene             | 10.000 | 10.571 | -5.7    | 104   | -0.02    |
| 59 T | m/p-Xylene                | 20.000 | 19.982 | 0.1     | 105   | -0.03    |
| 60 T | o-Xylene                  | 10.000 | 10.067 | -0.7    | 106   | -0.02    |
| 61 T | Styrene                   | 10.000 | 11.322 | -13.2   | 105   | -0.03    |
| 62   | Isopropylbenzene          | 10.000 | 9.896  | 1.0     | 105   | -0.02    |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 8.922  | 10.8    | 105   | -0.02    |
| 64   | n-propylbenzene           | 10.000 | 10.128 | -1.3    | 105   | -0.02    |
| 65   | tert-Butylbenzene         | 10.000 | 9.824  | 1.8     | 106   | -0.02    |
| 66 T | Benzyl Chloride           | 10.000 | 10.957 | -9.6    | 96    | -0.03    |
| 67   | sec-Butylbenzene          | 10.000 | 9.813  | 1.9     | 106   | -0.02    |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.903  | 1.0     | 96    | -0.02    |
| 69   | p-Isopropyltoluene        | 10.000 | 9.861  | 1.4     | 104   | -0.03    |
| 70   | n-Butylbenzene            | 10.000 | 9.871  | 1.3     | 106   | -0.02    |
| 71   | 2-Chlorotoluene           | 10.000 | 10.110 | -1.1    | 105   | -0.02    |
| 72 T | 4-Ethyltoluene            | 10.000 | 10.464 | -4.6    | 107   | -0.02    |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 10.021 | -0.2    | 105   | -0.03    |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 9.450  | 5.5     | 105   | -0.03    |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 9.247  | 7.5     | 107   | -0.03    |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 9.663  | 3.4     | 106   | -0.02    |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 9.397  | 6.0     | 105   | -0.02    |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 9.368  | 6.3     | 112   | -0.02    |
| 79 T | Naphthalene               | 10.000 | 12.057 | -20.6   | 104   | -0.03    |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 22.572 | -125.7# | 115   | -0.02    |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 10.478 | -4.8    | 105   | -0.03    |

(#) = Out of Range

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