

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL060821\  
 Data File : VL037143.D  
 Acq On : 8 Jun 2021 22:15  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Jun 09 03:30:37 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue May 18 12:00:15 2021  
 QLast Update : Tue May 18 12:00:15 2021  
 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    | 97    | 0.02     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 10.220 | -2.2   | 112   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 11.092 | -10.9  | 121   | 0.00     |
| 4    | Chloromethane               | 10.000 | 11.365 | -13.7  | 120   | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 11.183 | -11.8  | 120   | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 12.281 | -22.8  | 128   | 0.00     |
| 7    | Chloroethane                | 10.000 | 12.063 | -20.6  | 116   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 11.968 | -19.7  | 127   | 0.00     |
| 9 T  | Propene                     | 10.000 | 9.841  | 1.6    | 105   | 0.00     |
| 10 T | Heptane                     | 10.000 | 10.200 | -2.0   | 110   | 0.02     |
| 11 T | Trichlorofluoromethane      | 10.000 | 12.543 | -25.4  | 130   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 12.195 | -22.0  | 127   | 0.00     |
| 13   | Ethanol                     | 10.000 | 8.418  | 15.8   | 107   | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 12.122 | -21.2  | 124   | 0.00     |
| 15 T | Acetone                     | 10.000 | 9.870  | 1.3    | 128   | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 11.460 | -14.6  | 119   | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 11.526 | -15.3  | 110   | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 11.706 | -17.1  | 122   | 0.01     |
| 19 T | Isopropyl Alcohol           | 10.000 | 11.954 | -19.5  | 129   | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 9.160  | 8.4    | 116   | 0.01     |
| 21 T | Allyl Chloride              | 10.000 | 11.309 | -13.1  | 117   | 0.01     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 12.590 | -25.9  | 132   | 0.02     |
| 23 T | Vinyl Acetate               | 10.000 | 11.541 | -15.4  | 115   | 0.01     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 11.592 | -15.9  | 116   | 0.01     |
| 25 T | Ethyl Acetate               | 10.000 | 10.686 | -6.9   | 116   | 0.01     |
| 26 T | Hexane                      | 10.000 | 9.981  | 0.2    | 113   | 0.01     |
| 27 T | Carbon Disulfide            | 10.000 | 11.121 | -11.2  | 112   | 0.01     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 10.666 | -6.7   | 110   | 0.01     |
| 29 T | Chloroform                  | 10.000 | 11.617 | -16.2  | 123   | 0.01     |
| 30 T | Cyclohexane                 | 10.000 | 10.553 | -5.5   | 113   | 0.02     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 11.342 | -13.4  | 119   | 0.02     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 11.249 | -12.5  | 124   | 0.02     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0    | 99    | 0.02     |
| 34 T | 2-Butanone                  | 10.000 | 11.378 | -13.8  | 120   | 0.01     |
| 35 T | Carbon Tetrachloride        | 10.000 | 11.390 | -13.9  | 129   | 0.02     |
| 36 T | Benzene                     | 10.000 | 10.184 | -1.8   | 112   | 0.02     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 12.184 | -21.8  | 129   | 0.02     |
| 38 T | Trichloroethene             | 10.000 | 10.239 | -2.4   | 124   | 0.02     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 10.063 | -0.6   | 110   | 0.02     |
| 40 T | 1,4-Dioxane                 | 10.000 | 10.731 | -7.3   | 138   | 0.02     |
| 41 T | Tetrahydrofuran             | 10.000 | 9.772  | 2.3    | 105   | 0.02     |
| 42 T | Bromodichloromethane        | 10.000 | 11.185 | -11.9  | 118   | 0.02     |
| 43   | Methyl Methacrylate         | 10.000 | 10.674 | -6.7   | 110   | 0.02     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 9.701  | 3.0    | 112   | 0.02     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 13.961 | -39.6# | 136   | 0.02     |

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 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                  | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|---------------------------|--------|--------|-------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 10.000 | 12.962 | -29.6 | 130   | 0.02     |
| 47 T | 1,1,2-Trichloroethane     | 10.000 | 10.874 | -8.7  | 118   | 0.02     |
| 48 T | Dibromochloromethane      | 10.000 | 11.988 | -19.9 | 123   | 0.02     |
| 49 T | Bromoform                 | 10.000 | 12.025 | -20.3 | 120   | 0.02     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 10.442 | -4.4  | 111   | 0.02     |
| 51 T | 2-Hexanone                | 10.000 | 10.332 | -3.3  | 107   | 0.02     |
| 52 T | Tetrachloroethene         | 10.000 | 10.756 | -7.6  | 123   | 0.02     |
| 53 T | Toluene                   | 10.000 | 10.288 | -2.9  | 115   | 0.02     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 11.526 | -15.3 | 122   | 0.02     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 98    | 0.02     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 11.788 | -17.9 | 125   | 0.02     |
| 57 T | Chlorobenzene             | 10.000 | 11.390 | -13.9 | 123   | 0.02     |
| 58 T | Ethyl Benzene             | 10.000 | 10.882 | -8.8  | 117   | 0.02     |
| 59 T | m/p-Xylene                | 20.000 | 22.232 | -11.2 | 121   | 0.02     |
| 60 T | o-Xylene                  | 10.000 | 11.187 | -11.9 | 122   | 0.02     |
| 61 T | Styrene                   | 10.000 | 11.530 | -15.3 | 115   | 0.02     |
| 62   | Isopropylbenzene          | 10.000 | 10.752 | -7.5  | 119   | 0.02     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.019 | -0.2  | 118   | 0.02     |
| 64   | n-propylbenzene           | 10.000 | 11.378 | -13.8 | 119   | 0.02     |
| 65   | tert-Butylbenzene         | 10.000 | 10.856 | -8.6  | 121   | 0.02     |
| 66 T | Benzyl Chloride           | 10.000 | 10.078 | -0.8  | 97    | 0.03     |
| 67   | sec-Butylbenzene          | 10.000 | 10.611 | -6.1  | 117   | 0.02     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.673 | -6.7  | 99    | 0.02     |
| 69   | p-Isopropyltoluene        | 10.000 | 10.757 | -7.6  | 117   | 0.02     |
| 70   | n-Butylbenzene            | 10.000 | 10.633 | -6.3  | 112   | 0.02     |
| 71   | 2-Chlorotoluene           | 10.000 | 11.006 | -10.1 | 118   | 0.02     |
| 72 T | 4-Ethyltoluene            | 10.000 | 11.287 | -12.9 | 117   | 0.02     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 11.014 | -10.1 | 119   | 0.02     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 11.115 | -11.2 | 121   | 0.02     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 11.316 | -13.2 | 119   | 0.02     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 10.823 | -8.2  | 120   | 0.02     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 10.721 | -7.2  | 116   | 0.02     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 8.679  | 13.2  | 103   | 0.02     |
| 79 T | Naphthalene               | 10.000 | 10.520 | -5.2  | 96    | 0.03     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 11.489 | -14.9 | 108   | 0.01     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 10.019 | -0.2  | 99    | 0.02     |

(#) = Out of Range

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