

Data File : VL037053.D  
Acq On : 24 May 2021 18:03  
Operator : SY/AP  
Sample : VSTDCCC010  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
LabSampleId :  
VSTDCCC010

Quant Time: May 25 03:23:55 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL051821AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue 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                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000 | 0.0    | 87    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.696 | 1.756 | -3.5   | 102   | 0.00     |
| 3    | Chlorodifluoromethane       | 1.832 | 2.051 | -12.0  | 110   | 0.00     |
| 4    | Chloromethane               | 0.623 | 0.682 | -9.5   | 104   | 0.00     |
| 5 T  | Vinyl Chloride              | 0.681 | 0.741 | -8.8   | 105   | 0.00     |
| 6 T  | Bromomethane                | 0.359 | 0.452 | -25.9  | 119   | 0.00     |
| 7    | Chloroethane                | 0.221 | 0.265 | -19.9  | 104   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.593 | 1.905 | -19.6  | 115   | 0.00     |
| 9 T  | Propene                     | 0.656 | 0.647 | 1.4    | 95    | 0.00     |
| 10 T | Heptane                     | 1.635 | 1.684 | -3.0   | 100   | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.570 | 1.923 | -22.5  | 114   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.118 | 1.324 | -18.4  | 111   | 0.00     |
| 13   | Ethanol                     | 0.088 | 0.068 | 22.7   | 88    | 0.00     |
| 14 T | Bromoethene                 | 0.493 | 0.575 | -16.6  | 107   | 0.00     |
| 15 T | Acetone                     | 1.024 | 1.000 | 2.3    | 114   | 0.00     |
| 16 T | 1,3-Butadiene               | 0.636 | 0.728 | -14.5  | 107   | 0.00     |
| 17   | tert-Butyl alcohol          | 0.938 | 1.038 | -10.7  | 95    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.517 | 0.598 | -15.7  | 109   | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.551 | 0.579 | -5.1   | 103   | 0.00     |
| 20 T | Methylene Chloride          | 0.549 | 0.530 | 3.5    | 110   | 0.00     |
| 21 T | Allyl Chloride              | 0.773 | 0.861 | -11.4  | 104   | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.496 | 0.597 | -20.4  | 113   | 0.00     |
| 23 T | Vinyl Acetate               | 1.626 | 1.736 | -6.8   | 96    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.170 | 1.320 | -12.8  | 102   | 0.00     |
| 25 T | Ethyl Acetate               | 2.461 | 2.650 | -7.7   | 105   | 0.00     |
| 26 T | Hexane                      | 1.257 | 1.283 | -2.1   | 104   | 0.00     |
| 27 T | Carbon Disulfide            | 1.267 | 1.389 | -9.6   | 100   | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.507 | 1.539 | -2.1   | 95    | 0.00     |
| 29 T | Chloroform                  | 1.776 | 2.063 | -16.2  | 111   | 0.00     |
| 30 T | Cyclohexane                 | 1.068 | 1.157 | -8.3   | 104   | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 1.127 | 1.290 | -14.5  | 108   | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.907 | 2.114 | -10.9  | 110   | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 90    | 0.00     |
| 34 T | 2-Butanone                  | 0.364 | 0.409 | -12.4  | 108   | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.664 | 0.753 | -13.4  | 116   | 0.00     |
| 36 T | Benzene                     | 0.861 | 0.884 | -2.7   | 102   | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.427 | 0.513 | -20.1  | 115   | 0.00     |
| 38 T | Trichloroethene             | 0.368 | 0.381 | -3.5   | 114   | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.332 | 0.339 | -2.1   | 101   | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.078 | 0.091 | -16.7  | 135   | 0.00     |
| 41 T | Tetrahydrofuran             | 0.207 | 0.201 | 2.9    | 94    | 0.00     |
| 42 T | Bromodichloromethane        | 0.646 | 0.733 | -13.5  | 109   | 0.00     |
| 43   | Methyl Methacrylate         | 0.297 | 0.326 | -9.8   | 103   | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.478 | 1.452 | 1.8    | 102   | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.227 | 0.326 | -43.6# | 127   | 0.00     |

Data File : VL037053.D  
Acq On : 24 May 2021 18:03  
Operator : SY/AP  
Sample : VSTDCCC010  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
LabSampleId :  
VSTDCCC010

Quant Time: May 25 03:23:55 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL051821AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue 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                  | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|---------------------------|-------|-------|--------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 0.305 | 0.415 | -36.1# | 124   | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 0.347 | 0.376 | -8.4   | 107   | 0.00     |
| 48 T | Dibromochloromethane      | 0.562 | 0.678 | -20.6  | 112   | 0.00     |
| 49 T | Bromoform                 | 0.464 | 0.562 | -21.1  | 109   | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 0.601 | 0.628 | -4.5   | 101   | 0.00     |
| 51 T | 2-Hexanone                | 0.318 | 0.343 | -7.9   | 101   | 0.00     |
| 52 T | Tetrachloroethene         | 0.343 | 0.373 | -8.7   | 113   | 0.00     |
| 53 T | Toluene                   | 1.025 | 1.073 | -4.7   | 106   | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.494 | 0.578 | -17.0  | 112   | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0    | 90    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.421 | 0.493 | -17.1  | 115   | 0.00     |
| 57 T | Chlorobenzene             | 0.775 | 0.880 | -13.5  | 113   | 0.00     |
| 58 T | Ethyl Benzene             | 1.411 | 1.523 | -7.9   | 107   | 0.00     |
| 59 T | m/p-Xylene                | 1.167 | 1.291 | -10.6  | 111   | 0.00     |
| 60 T | o-Xylene                  | 1.113 | 1.227 | -10.2  | 111   | 0.00     |
| 61 T | Styrene                   | 0.627 | 0.725 | -15.6  | 107   | 0.00     |
| 62   | Isopropylbenzene          | 1.599 | 1.723 | -7.8   | 110   | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.831 | 0.839 | -1.0   | 110   | 0.00     |
| 64   | n-propylbenzene           | 0.413 | 0.468 | -13.3  | 109   | 0.00     |
| 65   | tert-Butylbenzene         | 1.443 | 1.567 | -8.6   | 112   | 0.00     |
| 66 T | Benzyl Chloride           | 0.080 | 0.075 | 6.3    | 83    | 0.00     |
| 67   | sec-Butylbenzene          | 1.968 | 2.100 | -6.7   | 109   | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.751 | 0.755 | -0.5   | 86    | 0.00     |
| 69   | p-Isopropyltoluene        | 1.692 | 1.841 | -8.8   | 110   | 0.00     |
| 70   | n-Butylbenzene            | 1.608 | 1.750 | -8.8   | 106   | 0.00     |
| 71   | 2-Chlorotoluene           | 1.155 | 1.274 | -10.3  | 109   | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.321 | 1.517 | -14.8  | 110   | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.240 | 1.371 | -10.6  | 110   | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.282 | 1.432 | -11.7  | 112   | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.783 | 0.889 | -13.5  | 110   | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 0.792 | 0.860 | -8.6   | 111   | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.785 | 0.864 | -10.1  | 110   | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.631 | 0.610 | 3.3    | 106   | 0.00     |
| 79 T | Naphthalene               | 1.006 | 1.244 | -23.7  | 105   | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 0.219 | 0.373 | -70.3# | 148   | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.613 | 0.708 | -15.5  | 106   | 0.00     |

(#) = Out of Range

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