

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\  
 Data File : VL036701.D  
 Acq On : 6 Apr 2021 15:47  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 07 05:53:19 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021  
 QLast Update : Thu Mar 25 09:42:40 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  | 78    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 10.327 | -3.3 | 86    | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.933  | 0.7  | 86    | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.847  | 1.5  | 82    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 9.492  | 5.1  | 80    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 9.846  | 1.5  | 82    | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.391  | 6.1  | 82    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.595  | 4.0  | 81    | 0.00     |
| 9 T  | Propene                     | 10.000 | 10.039 | -0.4 | 82    | 0.00     |
| 10 T | Heptane                     | 10.000 | 10.408 | -4.1 | 84    | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 9.373  | 6.3  | 80    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.571  | 4.3  | 79    | 0.00     |
| 13   | Ethanol                     | 10.000 | 8.430  | 15.7 | 67    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.671  | 3.3  | 78    | 0.00     |
| 15 T | Acetone                     | 10.000 | 8.971  | 10.3 | 80    | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.271  | 7.3  | 76    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 10.368 | -3.7 | 84    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.511  | 4.9  | 78    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 9.542  | 4.6  | 78    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 8.525  | 14.7 | 77    | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.607  | 3.9  | 76    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 9.687  | 3.1  | 77    | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 9.668  | 3.3  | 76    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.935  | 0.6  | 81    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 10.103 | -1.0 | 84    | 0.00     |
| 26 T | Hexane                      | 10.000 | 10.280 | -2.8 | 84    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 10.092 | -0.9 | 77    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 10.115 | -1.2 | 80    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 10.113 | -1.1 | 85    | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 10.670 | -6.7 | 84    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 10.274 | -2.7 | 80    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 10.060 | -0.6 | 84    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0  | 81    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 9.470  | 5.3  | 80    | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 9.580  | 4.2  | 87    | 0.00     |
| 36 T | Benzene                     | 10.000 | 9.850  | 1.5  | 84    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 9.621  | 3.8  | 83    | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 9.386  | 6.1  | 87    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 9.365  | 6.3  | 81    | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 8.562  | 14.4 | 77    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 9.345  | 6.5  | 74    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 10.056 | -0.6 | 84    | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 10.338 | -3.4 | 80    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 9.486  | 5.1  | 86    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 10.661 | -6.6 | 79    | 0.00     |

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 LabSampleId :  
 VSTDCCC010

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021  
 QLast Update : Thu Mar 25 09:42:40 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) |
|------|---------------------------|--------|--------|-------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 10.000 | 10.527 | -5.3  | 81    | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 10.000 | 9.855  | 1.4   | 86    | 0.00     |
| 48 T | Dibromochloromethane      | 10.000 | 10.574 | -5.7  | 85    | 0.00     |
| 49 T | Bromoform                 | 10.000 | 10.750 | -7.5  | 84    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 10.175 | -1.8  | 82    | 0.00     |
| 51 T | 2-Hexanone                | 10.000 | 10.550 | -5.5  | 77    | 0.01     |
| 52 T | Tetrachloroethene         | 10.000 | 9.180  | 8.2   | 84    | 0.00     |
| 53 T | Toluene                   | 10.000 | 10.413 | -4.1  | 84    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 10.050 | -0.5  | 86    | 0.00     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 84    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 9.713  | 2.9   | 86    | 0.00     |
| 57 T | Chlorobenzene             | 10.000 | 9.528  | 4.7   | 88    | 0.00     |
| 58 T | Ethyl Benzene             | 10.000 | 10.117 | -1.2  | 86    | 0.00     |
| 59 T | m/p-Xylene                | 20.000 | 19.518 | 2.4   | 87    | 0.00     |
| 60 T | o-Xylene                  | 10.000 | 9.640  | 3.6   | 88    | 0.00     |
| 61 T | Styrene                   | 10.000 | 11.219 | -12.2 | 85    | 0.00     |
| 62   | Isopropylbenzene          | 10.000 | 9.651  | 3.5   | 87    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 9.097  | 9.0   | 90    | 0.00     |
| 64   | n-propylbenzene           | 10.000 | 10.372 | -3.7  | 89    | 0.00     |
| 65   | tert-Butylbenzene         | 10.000 | 9.716  | 2.8   | 88    | 0.00     |
| 66 T | Benzyl Chloride           | 10.000 | 9.308  | 6.9   | 72    | 0.00     |
| 67   | sec-Butylbenzene          | 10.000 | 9.759  | 2.4   | 90    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.364 | -3.6  | 83    | 0.00     |
| 69   | p-Isopropyltoluene        | 10.000 | 10.358 | -3.6  | 91    | 0.00     |
| 70   | n-Butylbenzene            | 10.000 | 10.226 | -2.3  | 90    | 0.00     |
| 71   | 2-Chlorotoluene           | 10.000 | 10.032 | -0.3  | 88    | 0.00     |
| 72 T | 4-Ethyltoluene            | 10.000 | 10.362 | -3.6  | 89    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 10.121 | -1.2  | 89    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 9.777  | 2.2   | 90    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 10.026 | -0.3  | 91    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 9.751  | 2.5   | 90    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 10.114 | -1.1  | 91    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 8.507  | 14.9  | 88    | 0.00     |
| 79 T | Naphthalene               | 10.000 | 10.913 | -9.1  | 79    | 0.02     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 10.567 | -5.7  | 57    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 10.292 | -2.9  | 83    | 0.00     |

(#) = Out of Range

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