

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040121\  
 Data File : VL036639.D  
 Acq On : 1 Apr 2021 21:59  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 02 02:11:39 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     | 75    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 7.789  | 22.1    | 63    | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 8.952  | 10.5    | 75    | 0.00     |
| 4    | Chloromethane               | 10.000 | 8.327  | 16.7    | 67    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 7.944  | 20.6    | 64    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 8.188  | 18.1    | 65    | 0.00     |
| 7    | Chloroethane                | 10.000 | 8.353  | 16.5    | 70    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 8.392  | 16.1    | 68    | 0.00     |
| 9 T  | Propene                     | 10.000 | 9.328  | 6.7     | 73    | 0.00     |
| 10 T | Heptane                     | 10.000 | 10.453 | -4.5    | 81    | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 8.162  | 18.4    | 67    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 8.837  | 11.6    | 70    | 0.00     |
| 13   | Ethanol                     | 10.000 | 10.422 | -4.2    | 80    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 8.972  | 10.3    | 69    | 0.00     |
| 15 T | Acetone                     | 10.000 | 38.050 | -280.5# | 328   | 0.02     |
| 16 T | 1,3-Butadiene               | 10.000 | 8.459  | 15.4    | 67    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 10.116 | -1.2    | 79    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 8.908  | 10.9    | 70    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 9.140  | 8.6     | 72    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 8.027  | 19.7    | 70    | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.132  | 8.7     | 70    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 9.263  | 7.4     | 71    | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 12.801 | -28.0   | 97    | 0.03     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 8.769  | 12.3    | 69    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 10.498 | -5.0    | 83    | 0.00     |
| 26 T | Hexane                      | 10.000 | 13.743 | -37.4#  | 108   | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 9.802  | 2.0     | 72    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 9.459  | 5.4     | 72    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 8.514  | 14.9    | 69    | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 10.589 | -5.9    | 80    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.116  | 8.8     | 68    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 8.792  | 12.1    | 71    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0     | 80    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 7.476  | 25.2    | 63    | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 7.918  | 20.8    | 72    | 0.00     |
| 36 T | Benzene                     | 10.000 | 8.867  | 11.3    | 76    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 7.938  | 20.6    | 68    | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 8.166  | 18.3    | 76    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 8.126  | 18.7    | 70    | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 7.133  | 28.7    | 64    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 7.761  | 22.4    | 61    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 8.200  | 18.0    | 69    | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 9.813  | 1.9     | 76    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 17.595 | -75.9#  | 158   | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 8.462  | 15.4    | 62    | 0.00     |

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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 | 8.168  | 18.3  | 62    | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 10.000 | 7.886  | 21.1  | 69    | 0.00     |
| 48 T | Dibromochloromethane      | 10.000 | 9.376  | 6.2   | 75    | 0.00     |
| 49 T | Bromoform                 | 10.000 | 10.393 | -3.9  | 81    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 8.297  | 17.0  | 67    | 0.00     |
| 51 T | 2-Hexanone                | 10.000 | 8.800  | 12.0  | 64    | 0.00     |
| 52 T | Tetrachloroethene         | 10.000 | 9.128  | 8.7   | 83    | 0.00     |
| 53 T | Toluene                   | 10.000 | 9.013  | 9.9   | 73    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 8.310  | 16.9  | 70    | 0.00     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 81    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 9.222  | 7.8   | 78    | 0.00     |
| 57 T | Chlorobenzene             | 10.000 | 8.487  | 15.1  | 75    | 0.00     |
| 58 T | Ethyl Benzene             | 10.000 | 9.172  | 8.3   | 75    | 0.00     |
| 59 T | m/p-Xylene                | 20.000 | 17.449 | 12.8  | 74    | 0.00     |
| 60 T | o-Xylene                  | 10.000 | 8.397  | 16.0  | 73    | 0.00     |
| 61 T | Styrene                   | 10.000 | 9.480  | 5.2   | 69    | 0.00     |
| 62   | Isopropylbenzene          | 10.000 | 8.938  | 10.6  | 77    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 7.548  | 24.5  | 71    | 0.00     |
| 64   | n-propylbenzene           | 10.000 | 9.651  | 3.5   | 79    | 0.00     |
| 65   | tert-Butylbenzene         | 10.000 | 9.139  | 8.6   | 79    | 0.00     |
| 66 T | Benzyl Chloride           | 10.000 | 11.204 | -12.0 | 83    | 0.00     |
| 67   | sec-Butylbenzene          | 10.000 | 8.829  | 11.7  | 78    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.815  | 1.9   | 76    | 0.00     |
| 69   | p-Isopropyltoluene        | 10.000 | 9.684  | 3.2   | 81    | 0.00     |
| 70   | n-Butylbenzene            | 10.000 | 9.074  | 9.3   | 76    | 0.00     |
| 71   | 2-Chlorotoluene           | 10.000 | 9.026  | 9.7   | 76    | 0.00     |
| 72 T | 4-Ethyltoluene            | 10.000 | 9.261  | 7.4   | 76    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 8.968  | 10.3  | 75    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 8.607  | 13.9  | 76    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 9.397  | 6.0   | 81    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 9.300  | 7.0   | 82    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 9.615  | 3.8   | 83    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 8.823  | 11.8  | 87    | 0.00     |
| 79 T | Naphthalene               | 10.000 | 10.146 | -1.5  | 70    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 5.324  | 46.8# | 27    | 0.01     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 10.645 | -6.4  | 82    | 0.00     |

(#) = Out of Range

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