

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041322\  
 Data File : VL038914.D  
 Acq On : 14 Apr 2022 9:42  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 14 10:11:57 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL040522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Apr 06 06:12:53 2022  
 QLast Update : Wed Apr 06 06:12:53 2022  
 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    | 72    | 0.02     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 8.906  | 10.9   | 70    | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 10.181 | -1.8   | 78    | 0.01     |
| 4    | Chloromethane               | 10.000 | 9.987  | 0.1    | 75    | 0.01     |
| 5 T  | Vinyl Chloride              | 10.000 | 10.348 | -3.5   | 77    | 0.02     |
| 6 T  | Bromomethane                | 10.000 | 10.825 | -8.2   | 81    | 0.01     |
| 7    | Chloroethane                | 10.000 | 10.738 | -7.4   | 77    | 0.02     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 10.916 | -9.2   | 84    | 0.01     |
| 9 T  | Propene                     | 10.000 | 8.077  | 19.2   | 60    | 0.01     |
| 10 T | Heptane                     | 10.000 | 8.252  | 17.5   | 63    | 0.02     |
| 11 T | Trichlorofluoromethane      | 10.000 | 12.054 | -20.5  | 90    | 0.01     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 11.288 | -12.9  | 85    | 0.02     |
| 13   | Ethanol                     | 10.000 | 8.815  | 11.9   | 73    | 0.02     |
| 14 T | Bromoethene                 | 10.000 | 10.832 | -8.3   | 84    | 0.01     |
| 15 T | Acetone                     | 10.000 | 10.811 | -8.1   | 87    | 0.02     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.846  | 1.5    | 73    | 0.01     |
| 17   | tert-Butyl alcohol          | 10.000 | 9.129  | 8.7    | 65    | 0.01     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 10.963 | -9.6   | 85    | 0.02     |
| 19 T | Isopropyl Alcohol           | 10.000 | 11.097 | -11.0  | 81    | 0.02     |
| 20 T | Methylene Chloride          | 10.000 | 9.863  | 1.4    | 77    | 0.02     |
| 21 T | Allyl Chloride              | 10.000 | 9.357  | 6.4    | 72    | 0.02     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 11.406 | -14.1  | 80    | 0.02     |
| 23 T | Vinyl Acetate               | 10.000 | 10.133 | -1.3   | 74    | 0.02     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 10.364 | -3.6   | 76    | 0.02     |
| 25 T | Ethyl Acetate               | 10.000 | 9.327  | 6.7    | 68    | 0.02     |
| 26 T | Hexane                      | 10.000 | 8.936  | 10.6   | 69    | 0.02     |
| 27 T | Carbon Disulfide            | 10.000 | 10.579 | -5.8   | 75    | 0.02     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 9.522  | 4.8    | 70    | 0.02     |
| 29 T | Chloroform                  | 10.000 | 10.574 | -5.7   | 80    | 0.02     |
| 30 T | Cyclohexane                 | 10.000 | 8.290  | 17.1   | 65    | 0.02     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 10.278 | -2.8   | 77    | 0.02     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 10.477 | -4.8   | 79    | 0.02     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0    | 65    | 0.02     |
| 34 T | 2-Butanone                  | 10.000 | 13.444 | -34.4# | 89    | 0.02     |
| 35 T | Carbon Tetrachloride        | 10.000 | 11.871 | -18.7  | 81    | 0.02     |
| 36 T | Benzene                     | 10.000 | 9.209  | 7.9    | 65    | 0.02     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 13.506 | -35.1# | 89    | 0.02     |
| 38 T | Trichloroethene             | 10.000 | 9.088  | 9.1    | 65    | 0.02     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 9.568  | 4.3    | 66    | 0.03     |
| 40 T | 1,4-Dioxane                 | 10.000 | 7.374  | 26.3   | 56    | 0.02     |
| 41 T | Tetrahydrofuran             | 10.000 | 9.111  | 8.9    | 62    | 0.02     |
| 42 T | Bromodichloromethane        | 10.000 | 11.733 | -17.3  | 80    | 0.02     |
| 43   | Methyl Methacrylate         | 10.000 | 10.090 | -0.9   | 66    | 0.02     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 9.371  | 6.3    | 68    | 0.02     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 10.708 | -7.1   | 64    | 0.02     |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 10.130 | -1.3   | 64    | 0.02     |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 9.570  | 4.3    | 66    | 0.02     |
| 48 T | Dibromochloromethane        | 10.000 | 10.958 | -9.6   | 71    | 0.02     |

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 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 14 10:11:57 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL040522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Apr 06 06:12:53 2022  
 QLast Update : Wed Apr 06 06:12:53 2022  
 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) |
|-------|---------------------------|--------|--------|-------|-------|----------|
| ----- |                           |        |        |       |       |          |
| 49 T  | Bromoform                 | 10.000 | 10.893 | -8.9  | 71    | 0.03     |
| 50 T  | 4-Methyl-2-Pentanone      | 10.000 | 9.849  | 1.5   | 65    | 0.02     |
| 51 T  | 2-Hexanone                | 10.000 | 9.966  | 0.3   | 63    | 0.02     |
| 52 T  | Tetrachloroethene         | 10.000 | 9.096  | 9.0   | 66    | 0.02     |
| 53 T  | Toluene                   | 10.000 | 9.173  | 8.3   | 65    | 0.02     |
| 54 T  | 1,2-Dibromoethane         | 10.000 | 10.212 | -2.1  | 68    | 0.02     |
|       |                           |        |        |       |       |          |
| 55 I  | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 68    | 0.02     |
| 56    | 1,1,1,2-Tetrachloroethane | 10.000 | 9.809  | 1.9   | 70    | 0.03     |
| 57 T  | Chlorobenzene             | 10.000 | 8.823  | 11.8  | 64    | 0.03     |
| 58 T  | Ethyl Benzene             | 10.000 | 9.390  | 6.1   | 68    | 0.02     |
| 59 T  | m/p-Xylene                | 20.000 | 19.332 | 3.3   | 72    | 0.02     |
| 60 T  | o-Xylene                  | 10.000 | 9.694  | 3.1   | 72    | 0.02     |
| 61 T  | Styrene                   | 10.000 | 9.083  | 9.2   | 62    | 0.02     |
| 62    | Isopropylbenzene          | 10.000 | 9.032  | 9.7   | 67    | 0.02     |
| 63 T  | 1,1,2,2-Tetrachloroethane | 10.000 | 9.449  | 5.5   | 70    | 0.03     |
| 64    | n-propylbenzene           | 10.000 | 8.787  | 12.1  | 62    | 0.03     |
| 65    | tert-Butylbenzene         | 10.000 | 9.057  | 9.4   | 68    | 0.03     |
| 66 T  | Benzyl Chloride           | 10.000 | 6.516  | 34.8# | 36    | 0.02     |
| 67    | sec-Butylbenzene          | 10.000 | 9.287  | 7.1   | 70    | 0.02     |
| 68 S  | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.718 | -7.2  | 72    | 0.03     |
| 69    | p-Isopropyltoluene        | 10.000 | 9.363  | 6.4   | 68    | 0.02     |
| 70    | n-Butylbenzene            | 10.000 | 10.314 | -3.1  | 74    | 0.02     |
| 71    | 2-Chlorotoluene           | 10.000 | 9.373  | 6.3   | 68    | 0.02     |
| 72 T  | 4-Ethyltoluene            | 10.000 | 9.927  | 0.7   | 69    | 0.03     |
| 73 T  | 1,3,5-Trimethylbenzene    | 10.000 | 9.638  | 3.6   | 68    | 0.02     |
| 74 T  | 1,2,4-Trimethylbenzene    | 10.000 | 9.775  | 2.2   | 72    | 0.02     |
| 75 T  | 1,3-Dichlorobenzene       | 10.000 | 9.385  | 6.2   | 67    | 0.02     |
| 76 T  | 1,4-Dichlorobenzene       | 10.000 | 9.182  | 8.2   | 65    | 0.03     |
| 77 T  | 1,2-Dichlorobenzene       | 10.000 | 8.993  | 10.1  | 64    | 0.02     |
| 78 T  | Hexachloro-1,3-Butadiene  | 10.000 | 8.636  | 13.6  | 70    | 0.02     |
| 79 T  | Naphthalene               | 10.000 | 10.185 | -1.9  | 64    | 0.03     |
| 80 T  | Naphthalene,2-methyl-     | 10.000 | 11.447 | -14.5 | 64    | 0.02     |
| 81 T  | 1,2,4-Trichlorobenzene    | 10.000 | 9.887  | 1.1   | 68    | 0.03     |
| ----- |                           |        |        |       |       |          |

(#) = Out of Range

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