

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051322\  
 Data File : VL039034.D  
 Acq On : 13 May 2022 12:28  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: May 14 00:52:35 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL050522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu May 05 10:12:15 2022  
 QLast Update : Thu May 05 10:12:15 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   | 69    | -0.02    |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 9.781  | 2.2   | 73    | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 10.157 | -1.6  | 76    | -0.01    |
| 4    | Chloromethane               | 10.000 | 10.308 | -3.1  | 75    | -0.01    |
| 5 T  | Vinyl Chloride              | 10.000 | 10.803 | -8.0  | 76    | -0.01    |
| 6 T  | Bromomethane                | 10.000 | 11.300 | -13.0 | 78    | -0.02    |
| 7    | Chloroethane                | 10.000 | 10.937 | -9.4  | 77    | -0.02    |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 10.466 | -4.7  | 77    | -0.02    |
| 9 T  | Propene                     | 10.000 | 11.125 | -11.3 | 87    | -0.01    |
| 10 T | Heptane                     | 10.000 | 11.175 | -11.8 | 80    | -0.02    |
| 11 T | Trichlorofluoromethane      | 10.000 | 10.181 | -1.8  | 75    | -0.02    |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 10.732 | -7.3  | 77    | -0.02    |
| 13   | Ethanol                     | 10.000 | 9.642  | 3.6   | 84    | -0.01    |
| 14 T | Bromoethene                 | 10.000 | 11.700 | -17.0 | 81    | -0.01    |
| 15 T | Acetone                     | 10.000 | 10.388 | -3.9  | 77    | -0.01    |
| 16 T | 1,3-Butadiene               | 10.000 | 10.448 | -4.5  | 75    | -0.01    |
| 17   | tert-Butyl alcohol          | 10.000 | 10.783 | -7.8  | 77    | -0.02    |
| 18 T | 1,1-Dichloroethene          | 10.000 | 10.826 | -8.3  | 78    | -0.02    |
| 19 T | Isopropyl Alcohol           | 10.000 | 10.811 | -8.1  | 75    | -0.01    |
| 20 T | Methylene Chloride          | 10.000 | 10.403 | -4.0  | 80    | -0.02    |
| 21 T | Allyl Chloride              | 10.000 | 11.396 | -14.0 | 79    | -0.01    |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 10.410 | -4.1  | 74    | -0.02    |
| 23 T | Vinyl Acetate               | 10.000 | 11.662 | -16.6 | 80    | -0.02    |
| 24 T | 1,1-Dichloroethane          | 10.000 | 10.779 | -7.8  | 78    | -0.02    |
| 25 T | Ethyl Acetate               | 10.000 | 11.371 | -13.7 | 80    | -0.02    |
| 26 T | Hexane                      | 10.000 | 11.155 | -11.5 | 82    | -0.02    |
| 27 T | Carbon Disulfide            | 10.000 | 11.749 | -17.5 | 77    | -0.02    |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 11.361 | -13.6 | 79    | -0.02    |
| 29 T | Chloroform                  | 10.000 | 10.997 | -10.0 | 78    | -0.02    |
| 30 T | Cyclohexane                 | 10.000 | 11.340 | -13.4 | 83    | -0.02    |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 11.049 | -10.5 | 77    | -0.02    |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 10.823 | -8.2  | 76    | -0.02    |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 78    | -0.02    |
| 34 T | 2-Butanone                  | 10.000 | 10.746 | -7.5  | 85    | -0.02    |
| 35 T | Carbon Tetrachloride        | 10.000 | 9.915  | 0.9   | 76    | -0.02    |
| 36 T | Benzene                     | 10.000 | 10.104 | -1.0  | 82    | -0.02    |
| 37 T | 1,2-Dichloroethane          | 10.000 | 9.299  | 7.0   | 73    | -0.02    |
| 38 T | Trichloroethene             | 10.000 | 9.707  | 2.9   | 81    | -0.02    |
| 39 T | 1,2-Dichloropropane         | 10.000 | 9.952  | 0.5   | 79    | -0.02    |
| 40 T | 1,4-Dioxane                 | 10.000 | 10.014 | -0.1  | 79    | -0.02    |
| 41 T | Tetrahydrofuran             | 10.000 | 10.385 | -3.8  | 82    | -0.02    |
| 42 T | Bromodichloromethane        | 10.000 | 9.894  | 1.1   | 76    | -0.02    |
| 43   | Methyl Methacrylate         | 10.000 | 10.361 | -3.6  | 81    | -0.02    |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 9.672  | 3.3   | 81    | -0.02    |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 12.052 | -20.5 | 79    | -0.02    |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 11.028 | -10.3 | 79    | -0.02    |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 10.262 | -2.6  | 83    | -0.02    |
| 48 T | Dibromochloromethane        | 10.000 | 10.409 | -4.1  | 78    | -0.02    |

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 LabSampleId :  
 VSTDCCC010

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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 | 11.045 | -10.4  | 79    | -0.02    |
| 50 T  | 4-Methyl-2-Pentanone      | 10.000 | 10.093 | -0.9   | 79    | -0.02    |
| 51 T  | 2-Hexanone                | 10.000 | 11.007 | -10.1  | 79    | -0.02    |
| 52 T  | Tetrachloroethene         | 10.000 | 9.830  | 1.7    | 84    | -0.02    |
| 53 T  | Toluene                   | 10.000 | 10.537 | -5.4   | 84    | -0.02    |
| 54 T  | 1,2-Dibromoethane         | 10.000 | 10.622 | -6.2   | 81    | -0.02    |
|       |                           |        |        |        |       |          |
| 55 I  | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0    | 74    | -0.02    |
| 56    | 1,1,1,2-Tetrachloroethane | 10.000 | 10.495 | -4.9   | 81    | -0.02    |
| 57 T  | Chlorobenzene             | 10.000 | 10.521 | -5.2   | 83    | -0.02    |
| 58 T  | Ethyl Benzene             | 10.000 | 10.485 | -4.8   | 83    | -0.02    |
| 59 T  | m/p-Xylene                | 20.000 | 20.621 | -3.1   | 82    | -0.02    |
| 60 T  | o-Xylene                  | 10.000 | 10.286 | -2.9   | 82    | -0.02    |
| 61 T  | Styrene                   | 10.000 | 11.653 | -16.5  | 85    | -0.02    |
| 62    | Isopropylbenzene          | 10.000 | 10.201 | -2.0   | 82    | -0.02    |
| 63 T  | 1,1,2,2-Tetrachloroethane | 10.000 | 9.946  | 0.5    | 81    | -0.02    |
| 64    | n-propylbenzene           | 10.000 | 10.829 | -8.3   | 83    | -0.02    |
| 65    | tert-Butylbenzene         | 10.000 | 10.046 | -0.5   | 82    | -0.02    |
| 66 T  | Benzyl Chloride           | 10.000 | 13.648 | -36.5# | 76    | -0.02    |
| 67    | sec-Butylbenzene          | 10.000 | 10.163 | -1.6   | 82    | -0.02    |
| 68 S  | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.652  | 3.5    | 72    | -0.02    |
| 69    | p-Isopropyltoluene        | 10.000 | 10.296 | -3.0   | 82    | -0.02    |
| 70    | n-Butylbenzene            | 10.000 | 10.345 | -3.5   | 80    | -0.02    |
| 71    | 2-Chlorotoluene           | 10.000 | 10.223 | -2.2   | 81    | -0.02    |
| 72 T  | 4-Ethyltoluene            | 10.000 | 10.763 | -7.6   | 83    | -0.02    |
| 73 T  | 1,3,5-Trimethylbenzene    | 10.000 | 10.697 | -7.0   | 82    | -0.02    |
| 74 T  | 1,2,4-Trimethylbenzene    | 10.000 | 10.272 | -2.7   | 81    | -0.02    |
| 75 T  | 1,3-Dichlorobenzene       | 10.000 | 10.681 | -6.8   | 82    | -0.02    |
| 76 T  | 1,4-Dichlorobenzene       | 10.000 | 10.419 | -4.2   | 80    | -0.02    |
| 77 T  | 1,2-Dichlorobenzene       | 10.000 | 10.416 | -4.2   | 81    | -0.02    |
| 78 T  | Hexachloro-1,3-Butadiene  | 10.000 | 9.036  | 9.6    | 80    | -0.02    |
| 79 T  | Naphthalene               | 10.000 | 11.922 | -19.2  | 82    | -0.02    |
| 80 T  | Naphthalene,2-methyl-     | 10.000 | 12.973 | -29.7  | 84    | -0.01    |
| 81 T  | 1,2,4-Trichlorobenzene    | 10.000 | 10.729 | -7.3   | 82    | -0.02    |
| ----- |                           |        |        |        |       |          |

(#) = Out of Range

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