

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092723\  
 Data File : VL040732.D  
 Acq On : 28 Sep 2023 8:13  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Sep 28 08:46:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091423AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Sep 19 05:12:43 2023  
 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    | 104   | -0.01    |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 9.087  | 9.1    | 101   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.572  | 4.3    | 111   | 0.00     |
| 4    | Chloromethane               | 10.000 | 10.244 | -2.4   | 117   | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 9.541  | 4.6    | 116   | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 8.968  | 10.3   | 96    | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.913  | 0.9    | 110   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.139  | 8.6    | 102   | 0.00     |
| 9 T  | Propene                     | 10.000 | 11.584 | -15.8  | 134   | 0.00     |
| 10 T | Heptane                     | 10.000 | 11.965 | -19.6  | 123   | -0.02    |
| 11 T | Trichlorofluoromethane      | 10.000 | 8.281  | 17.2   | 91    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.184  | 8.2    | 102   | 0.00     |
| 13   | Ethanol                     | 10.000 | 9.173  | 8.3    | 106   | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.441  | 5.6    | 102   | 0.00     |
| 15 T | Acetone                     | 10.000 | 8.986  | 10.1   | 109   | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 10.261 | -2.6   | 105   | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 9.545  | 4.6    | 102   | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.451  | 5.5    | 103   | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 10.076 | -0.8   | 103   | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 7.203  | 28.0   | 104   | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 10.155 | -1.5   | 109   | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 10.219 | -2.2   | 107   | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 11.014 | -10.1  | 118   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.659  | 3.4    | 106   | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 10.706 | -7.1   | 119   | -0.01    |
| 26 T | Hexane                      | 10.000 | 10.668 | -6.7   | 130   | -0.01    |
| 27 T | Carbon Disulfide            | 10.000 | 11.076 | -10.8  | 110   | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 10.941 | -9.4   | 118   | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.580  | 4.2    | 107   | -0.01    |
| 30 T | Cyclohexane                 | 10.000 | 11.947 | -19.5  | 127   | -0.02    |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 11.528 | -15.3  | 124   | -0.01    |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.305  | 7.0    | 104   | -0.02    |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0    | 114   | -0.02    |
| 34 T | 2-Butanone                  | 10.000 | 9.525  | 4.7    | 117   | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 8.895  | 11.1   | 101   | -0.02    |
| 36 T | Benzene                     | 10.000 | 11.034 | -10.3  | 131   | -0.02    |
| 37 T | 1,2-Dichloroethane          | 10.000 | 8.730  | 12.7   | 104   | -0.02    |
| 38 T | Trichloroethene             | 10.000 | 11.382 | -13.8  | 120   | -0.02    |
| 39 T | 1,2-Dichloropropane         | 10.000 | 10.654 | -6.5   | 126   | -0.02    |
| 40 T | 1,4-Dioxane                 | 10.000 | 12.322 | -23.2  | 123   | -0.02    |
| 41 T | Tetrahydrofuran             | 10.000 | 11.796 | -18.0  | 138   | -0.02    |
| 42 T | Bromodichloromethane        | 10.000 | 9.450  | 5.5    | 108   | -0.02    |
| 43   | Methyl Methacrylate         | 10.000 | 12.075 | -20.7  | 128   | -0.02    |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 11.076 | -10.8  | 126   | -0.03    |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 13.902 | -39.0# | 132   | -0.03    |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 13.135 | -31.4# | 133   | -0.02    |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 10.259 | -2.6   | 120   | -0.03    |
| 48 T | Dibromochloromethane        | 10.000 | 10.541 | -5.4   | 113   | -0.03    |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

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 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 | 10.762 | -7.6   | 110   | -0.03    |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 11.091 | -10.9  | 119   | -0.03    |
| 51 T | 2-Hexanone                | 10.000 | 11.623 | -16.2  | 119   | -0.02    |
| 52 T | Tetrachloroethene         | 10.000 | 11.800 | -18.0  | 123   | -0.03    |
| 53 T | Toluene                   | 10.000 | 12.013 | -20.1  | 126   | -0.03    |
| 54 T | 1,2-Dibromoethane         | 10.000 | 11.371 | -13.7  | 118   | -0.03    |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0    | 114   | -0.03    |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 9.068  | 9.3    | 109   | -0.03    |
| 57 T | Chlorobenzene             | 10.000 | 9.865  | 1.3    | 119   | -0.03    |
| 58 T | Ethyl Benzene             | 10.000 | 11.269 | -12.7  | 119   | -0.03    |
| 59 T | m/p-Xylene                | 20.000 | 20.280 | -1.4   | 112   | -0.03    |
| 60 T | o-Xylene                  | 10.000 | 10.119 | -1.2   | 110   | -0.03    |
| 61 T | Styrene                   | 10.000 | 12.867 | -28.7  | 123   | -0.03    |
| 62   | Isopropylbenzene          | 10.000 | 9.834  | 1.7    | 111   | -0.03    |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 9.341  | 6.6    | 111   | -0.03    |
| 64   | n-propylbenzene           | 10.000 | 10.432 | -4.3   | 115   | -0.03    |
| 65   | tert-Butylbenzene         | 10.000 | 9.653  | 3.5    | 109   | -0.03    |
| 66 T | Benzyl Chloride           | 10.000 | 10.899 | -9.0   | 116   | -0.03    |
| 67   | sec-Butylbenzene          | 10.000 | 9.369  | 6.3    | 107   | -0.03    |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 8.784  | 12.2   | 97    | -0.04    |
| 69   | p-Isopropyltoluene        | 10.000 | 9.880  | 1.2    | 109   | -0.03    |
| 70   | n-Butylbenzene            | 10.000 | 9.408  | 5.9    | 105   | -0.03    |
| 71   | 2-Chlorotoluene           | 10.000 | 10.209 | -2.1   | 110   | -0.03    |
| 72 T | 4-Ethyltoluene            | 10.000 | 10.501 | -5.0   | 110   | -0.03    |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 10.045 | -0.4   | 109   | -0.04    |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 9.113  | 8.9    | 105   | -0.03    |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 9.607  | 3.9    | 111   | -0.03    |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 9.578  | 4.2    | 113   | -0.03    |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 9.313  | 6.9    | 112   | -0.04    |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 8.371  | 16.3   | 108   | -0.03    |
| 79 T | Naphthalene               | 10.000 | 12.447 | -24.5  | 112   | -0.04    |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 15.315 | -53.1# | 122   | -0.03    |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 9.893  | 1.1    | 109   | -0.03    |

(#) = Out of Range

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