

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092222\  
 Data File : VL039679.D  
 Acq On : 23 Sep 2022 10:00  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Sep 23 16:51:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 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   | 83    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 7.483  | 25.2  | 76    | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.257  | 7.4   | 88    | 0.00     |
| 4    | Chloromethane               | 10.000 | 8.279  | 17.2  | 78    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 9.343  | 6.6   | 83    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 10.523 | -5.2  | 96    | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.126  | 8.7   | 79    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 8.728  | 12.7  | 80    | 0.00     |
| 9 T  | Propene                     | 10.000 | 8.860  | 11.4  | 81    | 0.00     |
| 10 T | Heptane                     | 10.000 | 10.000 | 0.0   | 86    | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 9.666  | 3.3   | 90    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.429  | 5.7   | 90    | 0.00     |
| 13   | Ethanol                     | 10.000 | 9.464  | 5.4   | 96    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.418  | 5.8   | 83    | 0.00     |
| 15 T | Acetone                     | 10.000 | 9.069  | 9.3   | 87    | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.957  | 0.4   | 87    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 10.028 | -0.3  | 83    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.367  | 6.3   | 85    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 9.125  | 8.8   | 79    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 7.243  | 27.6  | 84    | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.216  | 7.8   | 84    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 9.365  | 6.3   | 82    | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 5.195  | 48.0# | 47    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.854  | 1.5   | 89    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 10.511 | -5.1  | 97    | 0.00     |
| 26 T | Hexane                      | 10.000 | 8.856  | 11.4  | 84    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 10.066 | -0.7  | 81    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 8.966  | 10.3  | 80    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.646  | 3.5   | 89    | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 9.609  | 3.9   | 84    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.165  | 8.4   | 79    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 10.420 | -4.2  | 88    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 83    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 8.892  | 11.1  | 85    | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 10.606 | -6.1  | 89    | 0.00     |
| 36 T | Benzene                     | 10.000 | 9.677  | 3.2   | 84    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 9.360  | 6.4   | 82    | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 8.306  | 16.9  | 69    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 9.527  | 4.7   | 84    | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 9.182  | 8.2   | 91    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 9.733  | 2.7   | 79    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 10.214 | -2.1  | 88    | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 10.952 | -9.5  | 88    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 9.733  | 2.7   | 87    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 8.727  | 12.7  | 61    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 9.537  | 4.6   | 70    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 9.713  | 2.9   | 87    | 0.00     |
| 48 T | Dibromochloromethane        | 10.000 | 10.758 | -7.6  | 86    | 0.00     |

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

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Sep 23 16:51:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
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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 | 11.157 | -11.6  | 87    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 10.390 | -3.9   | 86    | 0.00     |
| 51 T | 2-Hexanone                | 10.000 | 10.503 | -5.0   | 82    | 0.00     |
| 52 T | Tetrachloroethene         | 10.000 | 9.588  | 4.1    | 85    | 0.00     |
| 53 T | Toluene                   | 10.000 | 10.278 | -2.8   | 84    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 11.552 | -15.5  | 94    | 0.00     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0    | 81    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 10.751 | -7.5   | 94    | 0.00     |
| 57 T | Chlorobenzene             | 10.000 | 9.697  | 3.0    | 87    | 0.00     |
| 58 T | Ethyl Benzene             | 10.000 | 10.767 | -7.7   | 87    | 0.00     |
| 59 T | m/p-Xylene                | 20.000 | 20.717 | -3.6   | 88    | 0.00     |
| 60 T | o-Xylene                  | 10.000 | 10.530 | -5.3   | 89    | 0.00     |
| 61 T | Styrene                   | 10.000 | 11.050 | -10.5  | 83    | 0.00     |
| 62   | Isopropylbenzene          | 10.000 | 10.751 | -7.5   | 94    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 16.145 | -61.4# | 143   | 0.00     |
| 64   | n-propylbenzene           | 10.000 | 10.987 | -9.9   | 95    | 0.00     |
| 65   | tert-Butylbenzene         | 10.000 | 10.956 | -9.6   | 96    | 0.00     |
| 66 T | Benzyl Chloride           | 10.000 | 7.034  | 29.7   | 54    | 0.00     |
| 67   | sec-Butylbenzene          | 10.000 | 11.052 | -10.5  | 98    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.540 | -5.4   | 84    | 0.00     |
| 69   | p-Isopropyltoluene        | 10.000 | 11.242 | -12.4  | 97    | 0.00     |
| 70   | n-Butylbenzene            | 10.000 | 11.441 | -14.4  | 99    | 0.00     |
| 71   | 2-Chlorotoluene           | 10.000 | 11.042 | -10.4  | 95    | 0.00     |
| 72 T | 4-Ethyltoluene            | 10.000 | 10.844 | -8.4   | 89    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 10.876 | -8.8   | 92    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 10.638 | -6.4   | 94    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 10.550 | -5.5   | 93    | 0.01     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 10.114 | -1.1   | 94    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 10.607 | -6.1   | 95    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 10.290 | -2.9   | 103   | 0.00     |
| 79 T | Naphthalene               | 10.000 | 12.971 | -29.7  | 96    | 0.01     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 8.700  | 13.0   | 70    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 11.186 | -11.9  | 96    | 0.00     |

(#) = Out of Range

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