

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040425\  
 Data File : VL042215.D  
 Acq On : 04 Apr 2025 08:58  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 05 01:58:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Mar 28 02:00:52 2025  
 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                    | AvgRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|--------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000  | 0.0   | 100   | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.476 | 1.405  | 4.8   | 100   | 0.00     |
| 3    | Chlorodifluoromethane       | 1.508 | 1.412  | 6.4   | 97    | 0.00     |
| 4    | Chloromethane               | 0.603 | 0.556  | 7.8   | 97    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.639 | 0.525  | 17.8  | 96    | 0.00     |
| 6 T  | Bromomethane                | 0.273 | 0.237  | 13.2  | 93    | 0.00     |
| 7    | Chloroethane                | 0.242 | 0.212  | 12.4  | 94    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.257 | 1.215  | 3.3   | 100   | 0.00     |
| 9 T  | Propene                     | 0.691 | 0.544  | 21.3  | 83    | 0.00     |
| 10 T | Heptane                     | 1.839 | 1.552  | 15.6  | 87    | 0.02     |
| 11 T | Trichlorofluoromethane      | 1.437 | 1.368  | 4.8   | 102   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.181 | 1.042  | 11.8  | 93    | 0.00     |
| 13   | Ethanol                     | 0.065 | 0.028# | 56.9# | 99    | 0.00     |
| 14 T | Bromoethene                 | 0.452 | 0.386  | 14.6  | 93    | 0.00     |
| 15 T | Acetone                     | 1.399 | 1.172  | 16.2  | 106   | 0.00     |
| 16 T | 1,3-Butadiene               | 0.683 | 0.570  | 16.5  | 100   | 0.00     |
| 17   | tert-Butyl alcohol          | 1.742 | 1.412  | 18.9  | 87    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.552 | 0.469  | 15.0  | 93    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.789 | 0.661  | 16.2  | 94    | 0.00     |
| 20 T | Methylene Chloride          | 0.521 | 0.407  | 21.9  | 93    | 0.00     |
| 21 T | Allyl Chloride              | 0.986 | 0.844  | 14.4  | 94    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.638 | 0.522  | 18.2  | 89    | 0.00     |
| 23 T | Vinyl Acetate               | 0.605 | 0.437  | 27.8  | 88    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.183 | 1.062  | 10.2  | 95    | 0.00     |
| 25 T | Ethyl Acetate               | 3.630 | 3.217  | 11.4  | 93    | 0.00     |
| 26 T | Hexane                      | 1.402 | 1.237  | 11.8  | 93    | 0.00     |
| 27 T | Carbon Disulfide            | 1.503 | 1.304  | 13.2  | 91    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 0.873 | 0.700  | 19.8  | 84    | 0.00     |
| 29 T | Chloroform                  | 2.052 | 2.021  | 1.5   | 105   | 0.00     |
| 30 T | Cyclohexane                 | 1.217 | 1.048  | 13.9  | 90    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 1.423 | 1.299  | 8.7   | 95    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 2.349 | 2.143  | 8.8   | 104   | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000  | 0.0   | 95    | 0.00     |
| 34 T | 2-Butanone                  | 0.725 | 0.669  | 7.7   | 95    | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.781 | 0.794  | -1.7  | 108   | 0.00     |
| 36 T | Benzene                     | 0.991 | 0.900  | 9.2   | 92    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.568 | 0.591  | -4.0  | 105   | 0.00     |
| 38 T | Trichloroethene             | 0.414 | 0.384  | 7.2   | 98    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.361 | 0.328  | 9.1   | 93    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.192 | 0.156  | 18.8  | 88    | 0.01     |
| 41 T | Tetrahydrofuran             | 0.418 | 0.366  | 12.4  | 88    | 0.00     |
| 42 T | Bromodichloromethane        | 0.782 | 0.802  | -2.6  | 99    | 0.01     |
| 43   | Methyl Methacrylate         | 0.420 | 0.356  | 15.2  | 84    | 0.01     |
| 44 T | 2,2,4-Trimethylpentane      | 1.675 | 1.519  | 9.3   | 90    | 0.01     |
| 45 T | t-1,3-Dichloropropene       | 0.450 | 0.379  | 15.8  | 82    | 0.02     |
| 46 T | cis-1,3-Dichloropropene     | 0.552 | 0.479  | 13.2  | 83    | 0.02     |
| 47 T | 1,1,2-Trichloroethane       | 0.382 | 0.364  | 4.7   | 95    | 0.02     |
| 48 T | Dibromochloromethane        | 0.647 | 0.652  | -0.8  | 98    | 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 05 01:58:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Mar 28 02:00:52 2025  
 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                  | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|---------------------------|-------|-------|------|-------|----------|
| 49 T | Bromoform                 | 0.581 | 0.562 | 3.3  | 92    | 0.01     |
| 50 T | 4-Methyl-2-Pentanone      | 1.149 | 0.935 | 18.6 | 87    | 0.02     |
| 51 T | 2-Hexanone                | 0.944 | 0.757 | 19.8 | 85    | 0.02     |
| 52 T | Tetrachloroethene         | 0.393 | 0.328 | 16.5 | 91    | 0.01     |
| 53 T | Toluene                   | 1.175 | 1.056 | 10.1 | 89    | 0.01     |
| 54 T | 1,2-Dibromoethane         | 0.532 | 0.505 | 5.1  | 95    | 0.01     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0  | 89    | 0.01     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.550 | 0.571 | -3.8 | 100   | 0.01     |
| 57 T | Chlorobenzene             | 0.949 | 0.937 | 1.3  | 96    | 0.00     |
| 58 T | Ethyl Benzene             | 1.776 | 1.694 | 4.6  | 91    | 0.00     |
| 59 T | m/p-Xylene                | 1.418 | 1.420 | -0.1 | 96    | 0.00     |
| 60 T | o-Xylene                  | 1.422 | 1.395 | 1.9  | 94    | 0.00     |
| 61 T | Styrene                   | 0.703 | 0.661 | 6.0  | 87    | 0.00     |
| 62   | Isopropylbenzene          | 2.126 | 2.131 | -0.2 | 97    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.864 | 0.871 | -0.8 | 98    | 0.00     |
| 64   | n-propylbenzene           | 0.547 | 0.567 | -3.7 | 102   | 0.00     |
| 65   | tert-Butylbenzene         | 1.966 | 1.946 | 1.0  | 100   | 0.00     |
| 66 T | Benzyl Chloride           | 0.209 | 0.154 | 26.3 | 68    | 0.00     |
| 67   | sec-Butylbenzene          | 2.733 | 2.736 | -0.1 | 102   | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.821 | 0.826 | -0.6 | 91    | 0.00     |
| 69   | p-Isopropyltoluene        | 2.354 | 2.359 | -0.2 | 102   | 0.00     |
| 70   | n-Butylbenzene            | 2.407 | 2.429 | -0.9 | 102   | 0.00     |
| 71   | 2-Chlorotoluene           | 1.650 | 1.655 | -0.3 | 96    | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.770 | 1.797 | -1.5 | 99    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.546 | 1.558 | -0.8 | 101   | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.781 | 1.730 | 2.9  | 103   | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.977 | 1.009 | -3.3 | 102   | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 0.972 | 1.006 | -3.5 | 101   | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.951 | 0.990 | -4.1 | 104   | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.968 | 0.830 | 14.3 | 93    | 0.00     |
| 79 T | Naphthalene               | 1.948 | 2.004 | -2.9 | 99    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 0.955 | 1.012 | -6.0 | 91    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.899 | 0.896 | 0.3  | 93    | 0.00     |

(#) = Out of Range

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