

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL102522\  
 Data File : VL039808.D  
 Acq On : 26 Oct 2022 10:18  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Oct 26 10:49:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL102422AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Oct 24 20:00:55 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                    | AvgRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|--------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000  | 0.0   | 84    | 0.02     |
| 2 T  | Dichlorodifluoromethane     | 1.047 | 0.961  | 8.2   | 102   | 0.00     |
| 3    | Chlorodifluoromethane       | 1.201 | 1.225  | -2.0  | 89    | 0.01     |
| 4    | Chloromethane               | 0.752 | 0.664  | 11.7  | 77    | 0.01     |
| 5 T  | Vinyl Chloride              | 0.624 | 0.612  | 1.9   | 85    | 0.00     |
| 6 T  | Bromomethane                | 0.224 | 0.253  | -12.9 | 97    | 0.01     |
| 7    | Chloroethane                | 0.224 | 0.230  | -2.7  | 88    | 0.01     |
| 8 T  | Dichlorotetrafluoroethane   | 1.367 | 1.405  | -2.8  | 93    | 0.00     |
| 9 T  | Propene                     | 0.516 | 0.491  | 4.8   | 80    | 0.00     |
| 10 T | Heptane                     | 1.236 | 1.402  | -13.4 | 88    | 0.02     |
| 11 T | Trichlorofluoromethane      | 1.463 | 1.477  | -1.0  | 88    | 0.01     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.135 | 1.143  | -0.7  | 85    | 0.01     |
| 13   | Ethanol                     | 0.037 | 0.031# | 16.2  | 71    | 0.02     |
| 14 T | Bromoethene                 | 0.450 | 0.467  | -3.8  | 88    | 0.01     |
| 15 T | Acetone                     | 1.194 | 1.121  | 6.1   | 87    | 0.01     |
| 16 T | 1,3-Butadiene               | 0.590 | 0.604  | -2.4  | 86    | 0.00     |
| 17   | tert-Butyl alcohol          | 0.974 | 0.961  | 1.3   | 76    | 0.02     |
| 18 T | 1,1-Dichloroethene          | 0.499 | 0.501  | -0.4  | 86    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.560 | 0.540  | 3.6   | 74    | 0.01     |
| 20 T | Methylene Chloride          | 0.454 | 0.418  | 7.9   | 85    | 0.01     |
| 21 T | Allyl Chloride              | 0.773 | 0.780  | -0.9  | 85    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.519 | 0.481  | 7.3   | 78    | 0.02     |
| 23 T | Vinyl Acetate               | 0.460 | 0.266  | 42.2# | 51    | 0.01     |
| 24 T | 1,1-Dichloroethane          | 1.072 | 1.069  | 0.3   | 86    | 0.02     |
| 25 T | Ethyl Acetate               | 2.335 | 2.827  | -21.1 | 99    | 0.01     |
| 26 T | Hexane                      | 0.971 | 1.018  | -4.8  | 85    | 0.02     |
| 27 T | Carbon Disulfide            | 1.153 | 1.191  | -3.3  | 80    | 0.01     |
| 28 T | Methyl tert-Butyl Ether     | 0.845 | 0.774  | 8.4   | 73    | 0.02     |
| 29 T | Chloroform                  | 1.526 | 1.555  | -1.9  | 87    | 0.02     |
| 30 T | Cyclohexane                 | 0.796 | 0.885  | -11.2 | 89    | 0.01     |
| 31 T | cis-1,2-Dichloroethene      | 0.937 | 0.947  | -1.1  | 85    | 0.02     |
| 32 T | 1,1,1-Trichloroethane       | 1.385 | 1.484  | -7.1  | 87    | 0.02     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000  | 0.0   | 84    | 0.02     |
| 34 T | 2-Butanone                  | 0.470 | 0.483  | -2.8  | 87    | 0.02     |
| 35 T | Carbon Tetrachloride        | 0.570 | 0.617  | -8.2  | 87    | 0.02     |
| 36 T | Benzene                     | 0.770 | 0.816  | -6.0  | 86    | 0.02     |
| 37 T | 1,2-Dichloroethane          | 0.418 | 0.433  | -3.6  | 86    | 0.02     |
| 38 T | Trichloroethene             | 0.435 | 0.381  | 12.4  | 70    | 0.02     |
| 39 T | 1,2-Dichloropropane         | 0.297 | 0.307  | -3.4  | 85    | 0.02     |
| 40 T | 1,4-Dioxane                 | 0.101 | 0.102  | -1.0  | 84    | 0.02     |
| 41 T | Tetrahydrofuran             | 0.292 | 0.330  | -13.0 | 84    | 0.02     |
| 42 T | Bromodichloromethane        | 0.589 | 0.636  | -8.0  | 86    | 0.02     |
| 43   | Methyl Methacrylate         | 0.268 | 0.327  | -22.0 | 87    | 0.02     |
| 44 T | 2,2,4-Trimethylpentane      | 1.288 | 1.390  | -7.9  | 87    | 0.01     |
| 45 T | t-1,3-Dichloropropene       | 0.228 | 0.223  | 2.2   | 64    | 0.02     |
| 46 T | cis-1,3-Dichloropropene     | 0.327 | 0.343  | -4.9  | 72    | 0.02     |
| 47 T | 1,1,2-Trichloroethane       | 0.318 | 0.340  | -6.9  | 88    | 0.02     |
| 48 T | Dibromochloromethane        | 0.511 | 0.561  | -9.8  | 85    | 0.02     |

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 LabSampleId :  
 VSTDCCC010

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 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                  | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|---------------------------|-------|-------|--------|-------|----------|
| 49 T | Bromoform                 | 0.417 | 0.470 | -12.7  | 84    | 0.02     |
| 50 T | 4-Methyl-2-Pentanone      | 0.738 | 0.875 | -18.6  | 87    | 0.02     |
| 51 T | 2-Hexanone                | 0.540 | 0.657 | -21.7  | 86    | 0.02     |
| 52 T | Tetrachloroethene         | 0.288 | 0.300 | -4.2   | 83    | 0.02     |
| 53 T | Toluene                   | 0.807 | 0.945 | -17.1  | 85    | 0.02     |
| 54 T | 1,2-Dibromoethane         | 0.322 | 0.422 | -31.1# | 96    | 0.02     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0    | 85    | 0.02     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.423 | 0.460 | -8.7   | 92    | 0.02     |
| 57 T | Chlorobenzene             | 0.767 | 0.750 | 2.2    | 86    | 0.02     |
| 58 T | Ethyl Benzene             | 1.139 | 1.310 | -15.0  | 87    | 0.02     |
| 59 T | m/p-Xylene                | 1.028 | 1.109 | -7.9   | 87    | 0.02     |
| 60 T | o-Xylene                  | 0.964 | 1.072 | -11.2  | 87    | 0.02     |
| 61 T | Styrene                   | 0.506 | 0.595 | -17.6  | 81    | 0.02     |
| 62   | Isopropylbenzene          | 1.473 | 1.646 | -11.7  | 92    | 0.02     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.406 | 0.607 | -49.5# | 142   | 0.02     |
| 64   | n-propylbenzene           | 0.373 | 0.424 | -13.7  | 94    | 0.02     |
| 65   | tert-Butylbenzene         | 1.284 | 1.480 | -15.3  | 95    | 0.03     |
| 66 T | Benzyl Chloride           | 0.091 | 0.061 | 33.0#  | 51    | 0.02     |
| 67   | sec-Butylbenzene          | 1.808 | 2.062 | -14.0  | 95    | 0.02     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.711 | 0.709 | 0.3    | 85    | 0.02     |
| 69   | p-Isopropyltoluene        | 1.463 | 1.697 | -16.0  | 95    | 0.02     |
| 70   | n-Butylbenzene            | 1.398 | 1.684 | -20.5  | 97    | 0.02     |
| 71   | 2-Chlorotoluene           | 1.023 | 1.160 | -13.4  | 90    | 0.02     |
| 72 T | 4-Ethyltoluene            | 1.111 | 1.209 | -8.8   | 85    | 0.02     |
| 73 T | 1,3,5-Trimethylbenzene    | 0.994 | 1.115 | -12.2  | 87    | 0.02     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.126 | 1.236 | -9.8   | 92    | 0.02     |
| 75 T | 1,3-Dichlorobenzene       | 0.683 | 0.696 | -1.9   | 86    | 0.02     |
| 76 T | 1,4-Dichlorobenzene       | 0.652 | 0.651 | 0.2    | 83    | 0.02     |
| 77 T | 1,2-Dichlorobenzene       | 0.651 | 0.690 | -6.0   | 92    | 0.02     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.496 | 0.494 | 0.4    | 98    | 0.02     |
| 79 T | Naphthalene               | 0.688 | 0.887 | -28.9  | 91    | 0.03     |
| 80 T | Naphthalene,2-methyl-     | 0.234 | 0.195 | 16.7   | 61    | 0.02     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.455 | 0.505 | -11.0  | 91    | 0.02     |

(#) = Out of Range

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