

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL073021\  
 Data File : VL037311.D  
 Acq On : 31 Jul 2021 9:55  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Aug 01 22:37:24 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Jul 30 23:19:30 2021  
 QLast Update : Fri Jul 30 23:19:30 2021  
 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000 | 0.0   | 86    | -0.01    |
| 2 T  | Dichlorodifluoromethane     | 1.439 | 0.955 | 33.6# | 73    | 0.00     |
| 3    | Chlorodifluoromethane       | 2.004 | 1.912 | 4.6   | 93    | 0.00     |
| 4    | Chloromethane               | 0.699 | 0.699 | 0.0   | 97    | -0.01    |
| 5 T  | Vinyl Chloride              | 0.755 | 0.760 | -0.7  | 97    | 0.00     |
| 6 T  | Bromomethane                | 0.428 | 0.440 | -2.8  | 94    | 0.00     |
| 7    | Chloroethane                | 0.266 | 0.280 | -5.3  | 102   | -0.01    |
| 8 T  | Dichlorotetrafluoroethane   | 1.711 | 1.533 | 10.4  | 83    | 0.00     |
| 9 T  | Propene                     | 0.674 | 0.639 | 5.2   | 96    | 0.00     |
| 10 T | Heptane                     | 1.605 | 1.668 | -3.9  | 97    | -0.01    |
| 11 T | Trichlorofluoromethane      | 1.788 | 1.888 | -5.6  | 101   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.330 | 1.394 | -4.8  | 101   | -0.01    |
| 13   | Ethanol                     | 0.148 | 0.101 | 31.8# | 89    | 0.00     |
| 14 T | Bromoethene                 | 0.562 | 0.569 | -1.2  | 92    | -0.01    |
| 15 T | Acetone                     | 1.801 | 1.010 | 43.9# | 97    | -0.01    |
| 16 T | 1,3-Butadiene               | 0.676 | 0.705 | -4.3  | 98    | 0.00     |
| 17   | tert-Butyl alcohol          | 1.145 | 1.085 | 5.2   | 88    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.584 | 0.635 | -8.7  | 100   | -0.01    |
| 19 T | Isopropyl Alcohol           | 0.697 | 0.671 | 3.7   | 92    | 0.00     |
| 20 T | Methylene Chloride          | 0.697 | 0.654 | 6.2   | 88    | -0.01    |
| 21 T | Allyl Chloride              | 0.802 | 0.901 | -12.3 | 98    | -0.01    |
| 22 T | trans-1,2-Dichloroethene    | 0.558 | 0.629 | -12.7 | 96    | 0.00     |
| 23 T | Vinyl Acetate               | 1.520 | 1.715 | -12.8 | 110   | -0.01    |
| 24 T | 1,1-Dichloroethane          | 1.180 | 1.336 | -13.2 | 106   | -0.01    |
| 25 T | Ethyl Acetate               | 2.613 | 2.722 | -4.2  | 95    | -0.01    |
| 26 T | Hexane                      | 1.397 | 1.393 | 0.3   | 93    | -0.01    |
| 27 T | Carbon Disulfide            | 1.151 | 1.406 | -22.2 | 98    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.349 | 1.510 | -11.9 | 112   | 0.00     |
| 29 T | Chloroform                  | 2.001 | 2.010 | -0.4  | 97    | -0.01    |
| 30 T | Cyclohexane                 | 1.092 | 1.135 | -3.9  | 96    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 1.184 | 1.249 | -5.5  | 95    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.990 | 2.028 | -1.9  | 95    | -0.01    |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 87    | -0.01    |
| 34 T | 2-Butanone                  | 0.429 | 0.376 | 12.4  | 95    | -0.01    |
| 35 T | Carbon Tetrachloride        | 0.634 | 0.678 | -6.9  | 95    | -0.01    |
| 36 T | Benzene                     | 0.847 | 0.849 | -0.2  | 95    | -0.02    |
| 37 T | 1,2-Dichloroethane          | 0.441 | 0.455 | -3.2  | 94    | 0.00     |
| 38 T | Trichloroethene             | 0.382 | 0.368 | 3.7   | 93    | -0.01    |
| 39 T | 1,2-Dichloropropane         | 0.318 | 0.319 | -0.3  | 95    | -0.01    |
| 40 T | 1,4-Dioxane                 | 0.092 | 0.091 | 1.1   | 101   | -0.01    |
| 41 T | Tetrahydrofuran             | 0.172 | 0.193 | -12.2 | 96    | -0.01    |
| 42 T | Bromodichloromethane        | 0.615 | 0.662 | -7.6  | 94    | -0.01    |
| 43   | Methyl Methacrylate         | 0.281 | 0.307 | -9.3  | 96    | -0.01    |
| 44 T | 2,2,4-Trimethylpentane      | 1.384 | 1.391 | -0.5  | 97    | -0.01    |
| 45 T | t-1,3-Dichloropropene       | 0.236 | 0.286 | -21.2 | 91    | -0.02    |

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|      | Compound                  | AvqRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|---------------------------|-------|--------|-------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 0.318 | 0.372  | -17.0 | 93    | -0.01    |
| 47 T | 1,1,2-Trichloroethane     | 0.357 | 0.365  | -2.2  | 96    | -0.01    |
| 48 T | Dibromochloromethane      | 0.547 | 0.624  | -14.1 | 95    | -0.01    |
| 49 T | Bromoform                 | 0.425 | 0.520  | -22.4 | 94    | -0.02    |
| 50 T | 4-Methyl-2-Pentanone      | 0.543 | 0.559  | -2.9  | 96    | -0.01    |
| 51 T | 2-Hexanone                | 0.251 | 0.266  | -6.0  | 92    | -0.01    |
| 52 T | Tetrachloroethene         | 0.373 | 0.360  | 3.5   | 95    | -0.01    |
| 53 T | Toluene                   | 0.995 | 1.032  | -3.7  | 95    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.505 | 0.539  | -6.7  | 97    | -0.01    |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000  | 0.0   | 87    | -0.01    |
| 56   | 1,1,1,2-Tetrachloroethane | 0.438 | 0.451  | -3.0  | 95    | -0.01    |
| 57 T | Chlorobenzene             | 0.837 | 0.833  | 0.5   | 97    | -0.01    |
| 58 T | Ethyl Benzene             | 1.375 | 1.406  | -2.3  | 96    | -0.02    |
| 59 T | m/p-Xylene                | 1.184 | 1.193  | -0.8  | 96    | -0.02    |
| 60 T | o-Xylene                  | 1.131 | 1.138  | -0.6  | 97    | -0.02    |
| 61 T | Styrene                   | 0.578 | 0.648  | -12.1 | 95    | -0.02    |
| 62   | Isopropylbenzene          | 1.598 | 1.614  | -1.0  | 98    | -0.02    |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.798 | 0.791  | 0.9   | 99    | -0.01    |
| 64   | n-propylbenzene           | 0.414 | 0.432  | -4.3  | 96    | -0.02    |
| 65   | tert-Butylbenzene         | 1.479 | 1.480  | -0.1  | 97    | -0.02    |
| 66 T | Benzyl Chloride           | 0.073 | 0.046# | 37.0# | 48    | -0.02    |
| 67   | sec-Butylbenzene          | 1.955 | 1.970  | -0.8  | 97    | -0.02    |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.728 | 0.734  | -0.8  | 87    | -0.02    |
| 69   | p-Isopropyltoluene        | 1.674 | 1.713  | -2.3  | 97    | -0.02    |
| 70   | n-Butylbenzene            | 1.580 | 1.628  | -3.0  | 98    | -0.02    |
| 71   | 2-Chlorotoluene           | 1.139 | 1.160  | -1.8  | 97    | -0.01    |
| 72 T | 4-Ethyltoluene            | 1.339 | 1.427  | -6.6  | 97    | -0.02    |
| 73 T | 1,3,5-Trimethylbenzene    | 1.237 | 1.281  | -3.6  | 97    | -0.01    |
| 74 T | 1,2,4-Trimethylbenzene    | 1.364 | 1.329  | 2.6   | 97    | -0.01    |
| 75 T | 1,3-Dichlorobenzene       | 0.820 | 0.839  | -2.3  | 96    | -0.02    |
| 76 T | 1,4-Dichlorobenzene       | 0.847 | 0.806  | 4.8   | 94    | -0.02    |
| 77 T | 1,2-Dichlorobenzene       | 0.787 | 0.817  | -3.8  | 98    | -0.02    |
| 78 T | Hexachloro-1,3-Butadiene  | 0.591 | 0.533  | 9.8   | 96    | -0.01    |
| 79 T | Naphthalene               | 1.068 | 1.004  | 6.0   | 94    | -0.02    |
| 80 T | Naphthalene,2-methyl-     | 0.307 | 0.283  | 7.8   | 91    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.645 | 0.602  | 6.7   | 96    | -0.02    |

(#) = Out of Range

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