

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL032921\  
 Data File : VL036557.D  
 Acq On : 30 Mar 2021 3:02  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Mar 30 12:09:57 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021  
 QLast Update : Thu Mar 25 09:42:40 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   | 93    | -0.02    |
| 2 T  | Dichlorodifluoromethane     | 1.631 | 1.441  | 11.6  | 88    | -0.01    |
| 3    | Chlorodifluoromethane       | 1.868 | 1.671  | 10.5  | 92    | -0.01    |
| 4    | Chloromethane               | 0.660 | 0.560  | 15.2  | 84    | -0.02    |
| 5 T  | Vinyl Chloride              | 0.679 | 0.573  | 15.6  | 85    | -0.02    |
| 6 T  | Bromomethane                | 0.374 | 0.316  | 15.5  | 83    | -0.01    |
| 7    | Chloroethane                | 0.233 | 0.205  | 12.0  | 90    | -0.02    |
| 8 T  | Dichlorotetrafluoroethane   | 1.557 | 1.329  | 14.6  | 86    | -0.01    |
| 9 T  | Propene                     | 0.596 | 0.490  | 17.8  | 80    | -0.01    |
| 10 T | Heptane                     | 1.517 | 1.348  | 11.1  | 85    | -0.03    |
| 11 T | Trichlorofluoromethane      | 1.662 | 1.436  | 13.6  | 87    | -0.02    |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.063 | 0.930  | 12.5  | 86    | -0.02    |
| 13   | Ethanol                     | 0.071 | 0.045# | 36.6# | 60    | -0.01    |
| 14 T | Bromoethene                 | 0.442 | 0.393  | 11.1  | 85    | -0.02    |
| 15 T | Acetone                     | 0.984 | 0.843  | 14.3  | 91    | -0.02    |
| 16 T | 1,3-Butadiene               | 0.685 | 0.597  | 12.8  | 85    | -0.01    |
| 17   | tert-Butyl alcohol          | 0.857 | 0.650  | 24.2  | 73    | -0.02    |
| 18 T | 1,1-Dichloroethene          | 0.473 | 0.393  | 16.9  | 81    | -0.02    |
| 19 T | Isopropyl Alcohol           | 0.541 | 0.331  | 38.8# | 60    | -0.02    |
| 20 T | Methylene Chloride          | 0.461 | 0.362  | 21.5  | 84    | -0.02    |
| 21 T | Allyl Chloride              | 0.785 | 0.644  | 18.0  | 77    | -0.02    |
| 22 T | trans-1,2-Dichloroethene    | 0.438 | 0.373  | 14.8  | 81    | -0.02    |
| 23 T | Vinyl Acetate               | 1.684 | 1.457  | 13.5  | 81    | -0.02    |
| 24 T | 1,1-Dichloroethane          | 1.227 | 1.078  | 12.1  | 85    | -0.02    |
| 25 T | Ethyl Acetate               | 2.340 | 1.943  | 17.0  | 82    | -0.02    |
| 26 T | Hexane                      | 1.086 | 0.928  | 14.5  | 83    | -0.02    |
| 27 T | Carbon Disulfide            | 1.070 | 0.976  | 8.8   | 83    | -0.02    |
| 28 T | Methyl tert-Butyl Ether     | 1.281 | 1.027  | 19.8  | 75    | -0.02    |
| 29 T | Chloroform                  | 1.737 | 1.501  | 13.6  | 87    | -0.02    |
| 30 T | Cyclohexane                 | 0.881 | 0.772  | 12.4  | 82    | -0.03    |
| 31 T | cis-1,2-Dichloroethene      | 1.050 | 0.907  | 13.6  | 80    | -0.02    |
| 32 T | 1,1,1-Trichloroethane       | 1.750 | 1.503  | 14.1  | 85    | -0.03    |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000  | 0.0   | 89    | -0.02    |
| 34 T | 2-Butanone                  | 0.488 | 0.382  | 21.7  | 74    | -0.02    |
| 35 T | Carbon Tetrachloride        | 0.768 | 0.667  | 13.2  | 87    | -0.02    |
| 36 T | Benzene                     | 0.922 | 0.816  | 11.5  | 84    | -0.03    |
| 37 T | 1,2-Dichloroethane          | 0.543 | 0.477  | 12.2  | 83    | -0.02    |
| 38 T | Trichloroethene             | 0.359 | 0.290  | 19.2  | 83    | -0.03    |
| 39 T | 1,2-Dichloropropane         | 0.374 | 0.326  | 12.8  | 83    | -0.03    |
| 40 T | 1,4-Dioxane                 | 0.087 | 0.059  | 32.2# | 67    | -0.02    |
| 41 T | Tetrahydrofuran             | 0.225 | 0.165  | 26.7  | 64    | -0.02    |
| 42 T | Bromodichloromethane        | 0.738 | 0.681  | 7.7   | 85    | -0.03    |
| 43   | Methyl Methacrylate         | 0.310 | 0.311  | -0.3  | 86    | -0.02    |
| 44 T | 2,2,4-Trimethylpentane      | 1.623 | 1.405  | 13.4  | 86    | -0.03    |
| 45 T | t-1,3-Dichloropropene       | 0.354 | 0.274  | 22.6  | 63    | -0.02    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL032921\  
 Data File : VL036557.D  
 Acq On : 30 Mar 2021 3:02  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Mar 30 12:09:57 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021  
 QLast Update : Thu Mar 25 09:42:40 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) |
|------|---------------------------|-------|-------|-------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 0.452 | 0.356 | 21.2  | 67    | -0.03    |
| 47 T | 1,1,2-Trichloroethane     | 0.379 | 0.336 | 11.3  | 86    | -0.02    |
| 48 T | Dibromochloromethane      | 0.578 | 0.540 | 6.6   | 83    | -0.03    |
| 49 T | Bromoform                 | 0.465 | 0.451 | 3.0   | 84    | -0.03    |
| 50 T | 4-Methyl-2-Pentanone      | 0.706 | 0.608 | 13.9  | 77    | -0.03    |
| 51 T | 2-Hexanone                | 0.356 | 0.318 | 10.7  | 72    | -0.02    |
| 52 T | Tetrachloroethene         | 0.340 | 0.277 | 18.5  | 82    | -0.03    |
| 53 T | Toluene                   | 0.982 | 0.913 | 7.0   | 83    | -0.03    |
| 54 T | 1,2-Dibromoethane         | 0.535 | 0.477 | 10.8  | 84    | -0.03    |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0   | 95    | -0.03    |
| 56   | 1,1,1,2-Tetrachloroethane | 0.452 | 0.401 | 11.3  | 88    | -0.03    |
| 57 T | Chlorobenzene             | 0.851 | 0.705 | 17.2  | 86    | -0.03    |
| 58 T | Ethyl Benzene             | 1.455 | 1.299 | 10.7  | 86    | -0.03    |
| 59 T | m/p-Xylene                | 1.269 | 1.114 | 12.2  | 87    | -0.03    |
| 60 T | o-Xylene                  | 1.227 | 1.059 | 13.7  | 88    | -0.03    |
| 61 T | Styrene                   | 0.617 | 0.565 | 8.4   | 78    | -0.03    |
| 62   | Isopropylbenzene          | 1.652 | 1.440 | 12.8  | 88    | -0.03    |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.936 | 0.772 | 17.5  | 91    | -0.03    |
| 64   | n-propylbenzene           | 0.404 | 0.380 | 5.9   | 91    | -0.03    |
| 65   | tert-Butylbenzene         | 1.433 | 1.252 | 12.6  | 89    | -0.02    |
| 66 T | Benzyl Chloride           | 0.158 | 0.144 | 8.9   | 79    | -0.03    |
| 67   | sec-Butylbenzene          | 2.022 | 1.771 | 12.4  | 90    | -0.03    |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.797 | 0.836 | -4.9  | 95    | -0.03    |
| 69   | p-Isopropyltoluene        | 1.579 | 1.459 | 7.6   | 91    | -0.03    |
| 70   | n-Butylbenzene            | 1.638 | 1.518 | 7.3   | 92    | -0.03    |
| 71   | 2-Chlorotoluene           | 1.238 | 1.135 | 8.3   | 90    | -0.03    |
| 72 T | 4-Ethyltoluene            | 1.344 | 1.245 | 7.4   | 89    | -0.03    |
| 73 T | 1,3,5-Trimethylbenzene    | 1.255 | 1.101 | 12.3  | 86    | -0.03    |
| 74 T | 1,2,4-Trimethylbenzene    | 1.343 | 1.154 | 14.1  | 89    | -0.03    |
| 75 T | 1,3-Dichlorobenzene       | 0.756 | 0.661 | 12.6  | 89    | -0.03    |
| 76 T | 1,4-Dichlorobenzene       | 0.750 | 0.640 | 14.7  | 88    | -0.03    |
| 77 T | 1,2-Dichlorobenzene       | 0.710 | 0.631 | 11.1  | 90    | -0.03    |
| 78 T | Hexachloro-1,3-Butadiene  | 0.636 | 0.488 | 23.3  | 89    | -0.03    |
| 79 T | Naphthalene               | 0.784 | 0.730 | 6.9   | 75    | -0.03    |
| 80 T | Naphthalene,2-methyl-     | 0.155 | 0.097 | 37.4# | 38    | -0.02    |
| 81 T | 1,2,4-Trichlorobenzene    | 0.484 | 0.452 | 6.6   | 84    | -0.03    |

(#) = Out of Range

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