

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060322\  
 Data File : VL039154.D  
 Acq On : 3 Jun 2022 15:10  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Jun 03 15:49:13 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL053122AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun 01 01:22:18 2022  
 QLast Update : Wed Jun 01 01:22:18 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   | 96    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.756 | 1.255  | 28.5  | 81    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.272 | 1.231  | 3.2   | 104   | 0.00     |
| 4    | Chloromethane               | 0.654 | 0.653  | 0.2   | 105   | 0.00     |
| 5 T  | Vinyl Chloride              | 0.611 | 0.627  | -2.6  | 103   | 0.00     |
| 6 T  | Bromomethane                | 0.301 | 0.299  | 0.7   | 107   | 0.00     |
| 7    | Chloroethane                | 0.213 | 0.217  | -1.9  | 105   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.605 | 1.526  | 4.9   | 101   | 0.00     |
| 9 T  | Propene                     | 0.555 | 0.561  | -1.1  | 111   | 0.00     |
| 10 T | Heptane                     | 1.294 | 1.368  | -5.7  | 108   | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.590 | 1.455  | 8.5   | 100   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.051 | 1.014  | 3.5   | 102   | 0.00     |
| 13   | Ethanol                     | 0.030 | 0.030# | 0.0   | 103   | 0.01     |
| 14 T | Bromoethene                 | 0.473 | 0.476  | -0.6  | 103   | 0.00     |
| 15 T | Acetone                     | 1.042 | 1.019  | 2.2   | 108   | 0.00     |
| 16 T | 1,3-Butadiene               | 0.560 | 0.564  | -0.7  | 103   | 0.00     |
| 17   | tert-Butyl alcohol          | 0.808 | 0.927  | -14.7 | 112   | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.472 | 0.468  | 0.8   | 104   | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.489 | 0.529  | -8.2  | 104   | 0.01     |
| 20 T | Methylene Chloride          | 0.439 | 0.376  | 14.4  | 109   | 0.00     |
| 21 T | Allyl Chloride              | 0.703 | 0.687  | 2.3   | 101   | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.454 | 0.468  | -3.1  | 103   | 0.00     |
| 23 T | Vinyl Acetate               | 0.862 | 0.890  | -3.2  | 96    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.181 | 0.916  | 22.4  | 84    | 0.00     |
| 25 T | Ethyl Acetate               | 2.348 | 2.382  | -1.4  | 106   | 0.00     |
| 26 T | Hexane                      | 1.032 | 1.047  | -1.5  | 106   | 0.00     |
| 27 T | Carbon Disulfide            | 1.069 | 1.068  | 0.1   | 96    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.139 | 0.913  | 19.8  | 86    | 0.00     |
| 29 T | Chloroform                  | 1.736 | 1.723  | 0.7   | 104   | 0.00     |
| 30 T | Cyclohexane                 | 0.867 | 0.883  | -1.8  | 108   | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 1.052 | 1.090  | -3.6  | 106   | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.699 | 1.734  | -2.1  | 102   | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000  | 0.0   | 100   | 0.00     |
| 34 T | 2-Butanone                  | 0.543 | 0.566  | -4.2  | 106   | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.730 | 0.692  | 5.2   | 99    | 0.00     |
| 36 T | Benzene                     | 0.812 | 0.823  | -1.4  | 107   | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.534 | 0.502  | 6.0   | 98    | 0.00     |
| 38 T | Trichloroethene             | 0.373 | 0.397  | -6.4  | 106   | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.323 | 0.324  | -0.3  | 107   | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.106 | 0.096  | 9.4   | 94    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.327 | 0.337  | -3.1  | 107   | 0.00     |
| 42 T | Bromodichloromethane        | 0.742 | 0.738  | 0.5   | 104   | 0.00     |
| 43   | Methyl Methacrylate         | 0.316 | 0.342  | -8.2  | 106   | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.420 | 1.393  | 1.9   | 106   | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.329 | 0.384  | -16.7 | 101   | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 0.435 | 0.482  | -10.8 | 103   | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 0.337 | 0.343  | -1.8  | 106   | 0.01     |
| 48 T | Dibromochloromethane        | 0.602 | 0.623  | -3.5  | 103   | 0.01     |

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 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

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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                  | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|---------------------------|-------|-------|--------|-------|----------|
| 49 T | Bromoform                 | 0.501 | 0.504 | -0.6   | 99    | 0.01     |
| 50 T | 4-Methyl-2-Pentanone      | 0.813 | 0.853 | -4.9   | 105   | 0.00     |
| 51 T | 2-Hexanone                | 0.633 | 0.671 | -6.0   | 107   | 0.00     |
| 52 T | Tetrachloroethene         | 0.317 | 0.310 | 2.2    | 106   | 0.00     |
| 53 T | Toluene                   | 0.935 | 0.979 | -4.7   | 109   | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.453 | 0.487 | -7.5   | 109   | 0.01     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0    | 95    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.473 | 0.469 | 0.8    | 104   | 0.00     |
| 57 T | Chlorobenzene             | 0.752 | 0.794 | -5.6   | 110   | 0.00     |
| 58 T | Ethyl Benzene             | 1.377 | 1.452 | -5.4   | 109   | 0.00     |
| 59 T | m/p-Xylene                | 1.213 | 1.227 | -1.2   | 106   | 0.02     |
| 60 T | o-Xylene                  | 1.140 | 1.185 | -3.9   | 109   | 0.00     |
| 61 T | Styrene                   | 0.610 | 0.690 | -13.1  | 110   | 0.00     |
| 62   | Isopropylbenzene          | 1.694 | 1.704 | -0.6   | 107   | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.640 | 0.601 | 6.1    | 102   | 0.00     |
| 64   | n-propylbenzene           | 0.416 | 0.428 | -2.9   | 104   | 0.01     |
| 65   | tert-Butylbenzene         | 1.549 | 1.512 | 2.4    | 104   | 0.00     |
| 66 T | Benzyl Chloride           | 0.201 | 0.230 | -14.4  | 90    | 0.00     |
| 67   | sec-Butylbenzene          | 2.114 | 2.141 | -1.3   | 106   | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.827 | 0.845 | -2.2   | 99    | 0.01     |
| 69   | p-Isopropyltoluene        | 1.783 | 1.797 | -0.8   | 106   | 0.00     |
| 70   | n-Butylbenzene            | 1.830 | 1.893 | -3.4   | 106   | 0.00     |
| 71   | 2-Chlorotoluene           | 1.292 | 1.284 | 0.6    | 104   | 0.02     |
| 72 T | 4-Ethyltoluene            | 1.336 | 1.360 | -1.8   | 104   | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.205 | 1.269 | -5.3   | 108   | 0.01     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.345 | 1.357 | -0.9   | 106   | 0.02     |
| 75 T | 1,3-Dichlorobenzene       | 0.761 | 0.791 | -3.9   | 106   | 0.01     |
| 76 T | 1,4-Dichlorobenzene       | 0.759 | 0.753 | 0.8    | 104   | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.767 | 0.764 | 0.4    | 105   | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.701 | 0.643 | 8.3    | 103   | 0.00     |
| 79 T | Naphthalene               | 1.035 | 1.297 | -25.3  | 109   | 0.01     |
| 80 T | Naphthalene,2-methyl-     | 0.385 | 0.567 | -47.3# | 110   | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.656 | 0.726 | -10.7  | 108   | 0.02     |

(#) = Out of Range

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