

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL030221\  
 Data File : VL036431.D  
 Acq On : 2 Mar 2021 16:20  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Mar 03 04:05:49 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Feb 10 16:04:02 2021  
 QLast Update : Wed Feb 10 16:04:02 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                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 1 I  | Bromochloromethane          | 10.000 | 10.000 | 0.0  | 100   | 0.01     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 8.040  | 19.6 | 95    | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.048  | 9.5  | 109   | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.148  | 8.5  | 111   | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 9.503  | 5.0  | 108   | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 9.415  | 5.9  | 110   | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.555  | 4.5  | 110   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.257  | 7.4  | 110   | 0.00     |
| 9 T  | Propene                     | 10.000 | 10.955 | -9.6 | 109   | 0.00     |
| 10 T | Heptane                     | 10.000 | 9.667  | 3.3  | 111   | 0.02     |
| 11 T | Trichlorofluoromethane      | 10.000 | 9.188  | 8.1  | 110   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.296  | 7.0  | 113   | 0.01     |
| 13   | Ethanol                     | 10.000 | 8.174  | 18.3 | 103   | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.540  | 4.6  | 112   | 0.00     |
| 15 T | Acetone                     | 10.000 | 8.679  | 13.2 | 115   | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.143  | 8.6  | 111   | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 9.259  | 7.4  | 108   | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 8.958  | 10.4 | 107   | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 8.500  | 15.0 | 107   | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 8.025  | 19.7 | 104   | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 8.700  | 13.0 | 104   | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 9.380  | 6.2  | 109   | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 9.614  | 3.9  | 110   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.120  | 8.8  | 106   | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 9.208  | 7.9  | 109   | 0.00     |
| 26 T | Hexane                      | 10.000 | 9.142  | 8.6  | 109   | 0.01     |
| 27 T | Carbon Disulfide            | 10.000 | 10.376 | -3.8 | 110   | 0.01     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 9.331  | 6.7  | 107   | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.275  | 7.2  | 112   | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 9.328  | 6.7  | 111   | 0.02     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.284  | 7.2  | 108   | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.501  | 5.0  | 110   | 0.01     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0  | 104   | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 9.035  | 9.6  | 112   | 0.01     |
| 35 T | Carbon Tetrachloride        | 10.000 | 9.157  | 8.4  | 109   | 0.01     |
| 36 T | Benzene                     | 10.000 | 9.319  | 6.8  | 109   | 0.01     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 8.907  | 10.9 | 104   | 0.01     |
| 38 T | Trichloroethene             | 10.000 | 8.928  | 10.7 | 109   | 0.01     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 9.249  | 7.5  | 109   | 0.02     |
| 40 T | 1,4-Dioxane                 | 10.000 | 8.809  | 11.9 | 108   | 0.01     |
| 41 T | Tetrahydrofuran             | 10.000 | 9.217  | 7.8  | 107   | 0.01     |
| 42 T | Bromodichloromethane        | 10.000 | 9.341  | 6.6  | 109   | 0.01     |
| 43   | Methyl Methacrylate         | 10.000 | 9.819  | 1.8  | 108   | 0.01     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 8.858  | 11.4 | 109   | 0.02     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 10.730 | -7.3 | 105   | 0.02     |

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Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                  | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|---------------------------|--------|--------|--------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 10.000 | 10.310 | -3.1   | 107   | 0.02     |
| 47 T | 1,1,2-Trichloroethane     | 10.000 | 9.044  | 9.6    | 111   | 0.02     |
| 48 T | Dibromochloromethane      | 10.000 | 9.799  | 2.0    | 107   | 0.02     |
| 49 T | Bromoform                 | 10.000 | 9.889  | 1.1    | 106   | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 9.358  | 6.4    | 108   | 0.01     |
| 51 T | 2-Hexanone                | 10.000 | 10.076 | -0.8   | 111   | 0.01     |
| 52 T | Tetrachloroethene         | 10.000 | 8.238  | 17.6   | 109   | 0.01     |
| 53 T | Toluene                   | 10.000 | 9.602  | 4.0    | 109   | 0.02     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 9.183  | 8.2    | 108   | 0.01     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0    | 105   | 0.02     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 9.100  | 9.0    | 109   | 0.01     |
| 57 T | Chlorobenzene             | 10.000 | 8.797  | 12.0   | 109   | 0.01     |
| 58 T | Ethyl Benzene             | 10.000 | 9.343  | 6.6    | 107   | 0.02     |
| 59 T | m/p-Xylene                | 20.000 | 17.933 | 10.3   | 107   | 0.02     |
| 60 T | o-Xylene                  | 10.000 | 8.883  | 11.2   | 108   | 0.02     |
| 61 T | Styrene                   | 10.000 | 10.126 | -1.3   | 106   | 0.02     |
| 62   | Isopropylbenzene          | 10.000 | 8.707  | 12.9   | 107   | 0.02     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 7.868  | 21.3   | 105   | 0.02     |
| 64   | n-propylbenzene           | 10.000 | 9.177  | 8.2    | 106   | 0.02     |
| 65   | tert-Butylbenzene         | 10.000 | 8.561  | 14.4   | 106   | 0.02     |
| 66 T | Benzyl Chloride           | 10.000 | 10.709 | -7.1   | 101   | 0.01     |
| 67   | sec-Butylbenzene          | 10.000 | 8.551  | 14.5   | 105   | 0.01     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.195 | -2.0   | 102   | 0.02     |
| 69   | p-Isopropyltoluene        | 10.000 | 9.051  | 9.5    | 106   | 0.02     |
| 70   | n-Butylbenzene            | 10.000 | 8.959  | 10.4   | 106   | 0.02     |
| 71   | 2-Chlorotoluene           | 10.000 | 8.775  | 12.2   | 104   | 0.02     |
| 72 T | 4-Ethyltoluene            | 10.000 | 9.032  | 9.7    | 104   | 0.02     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 8.761  | 12.4   | 105   | 0.02     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 8.654  | 13.5   | 104   | 0.01     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 8.711  | 12.9   | 106   | 0.01     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 8.305  | 17.0   | 102   | 0.02     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 8.778  | 12.2   | 108   | 0.02     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 8.600  | 14.0   | 125   | 0.01     |
| 79 T | Naphthalene               | 10.000 | 12.613 | -26.1  | 130   | 0.02     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 17.759 | -77.6# | 199   | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 10.656 | -6.6   | 128   | 0.02     |

(#) = Out of Range

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