

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\  
 Data File : VL036744.D  
 Acq On : 8 Apr 2021 9:01  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 08 09:36:23 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                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 1 I  | Bromochloromethane          | 10.000 | 10.000 | 0.0  | 79    | -0.01    |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 8.379  | 16.2 | 70    | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.716  | 2.8  | 85    | 0.00     |
| 4    | Chloromethane               | 10.000 | 8.693  | 13.1 | 73    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 8.694  | 13.1 | 74    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 8.571  | 14.3 | 72    | 0.00     |
| 7    | Chloroethane                | 10.000 | 8.763  | 12.4 | 76    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 8.776  | 12.2 | 75    | 0.00     |
| 9 T  | Propene                     | 10.000 | 8.873  | 11.3 | 73    | 0.00     |
| 10 T | Heptane                     | 10.000 | 9.329  | 6.7  | 75    | -0.01    |
| 11 T | Trichlorofluoromethane      | 10.000 | 8.565  | 14.4 | 73    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 8.835  | 11.6 | 73    | 0.00     |
| 13   | Ethanol                     | 10.000 | 9.292  | 7.1  | 74    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 8.775  | 12.2 | 71    | 0.00     |
| 15 T | Acetone                     | 10.000 | 7.884  | 21.2 | 71    | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.302  | 7.0  | 77    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 9.965  | 0.4  | 81    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 8.536  | 14.6 | 71    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 8.621  | 13.8 | 71    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 7.729  | 22.7 | 70    | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 8.833  | 11.7 | 70    | -0.01    |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 8.983  | 10.2 | 72    | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 9.340  | 6.6  | 74    | -0.01    |
| 24 T | 1,1-Dichloroethane          | 10.000 | 8.924  | 10.8 | 73    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 8.961  | 10.4 | 75    | -0.02    |
| 26 T | Hexane                      | 10.000 | 9.051  | 9.5  | 74    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 9.519  | 4.8  | 73    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 8.821  | 11.8 | 70    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.271  | 7.3  | 79    | -0.01    |
| 30 T | Cyclohexane                 | 10.000 | 9.482  | 5.2  | 75    | -0.01    |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.411  | 5.9  | 74    | -0.01    |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.272  | 7.3  | 78    | -0.01    |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0  | 80    | -0.01    |
| 34 T | 2-Butanone                  | 10.000 | 8.358  | 16.4 | 70    | -0.02    |
| 35 T | Carbon Tetrachloride        | 10.000 | 8.813  | 11.9 | 79    | -0.01    |
| 36 T | Benzene                     | 10.000 | 9.174  | 8.3  | 78    | -0.02    |
| 37 T | 1,2-Dichloroethane          | 10.000 | 9.038  | 9.6  | 77    | -0.01    |
| 38 T | Trichloroethene             | 10.000 | 8.494  | 15.1 | 78    | -0.02    |
| 39 T | 1,2-Dichloropropane         | 10.000 | 8.884  | 11.2 | 76    | -0.01    |
| 40 T | 1,4-Dioxane                 | 10.000 | 8.900  | 11.0 | 79    | -0.02    |
| 41 T | Tetrahydrofuran             | 10.000 | 7.911  | 20.9 | 62    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 9.295  | 7.1  | 77    | -0.01    |
| 43   | Methyl Methacrylate         | 10.000 | 10.341 | -3.4 | 79    | -0.01    |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 8.908  | 10.9 | 80    | -0.01    |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 8.961  | 10.4 | 66    | -0.02    |

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

|      | Compound                  | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|---------------------------|--------|--------|-------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 10.000 | 8.869  | 11.3  | 67    | -0.01    |
| 47 T | 1,1,2-Trichloroethane     | 10.000 | 9.040  | 9.6   | 78    | -0.01    |
| 48 T | Dibromochloromethane      | 10.000 | 9.924  | 0.8   | 79    | -0.02    |
| 49 T | Bromoform                 | 10.000 | 10.144 | -1.4  | 79    | -0.01    |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 8.732  | 12.7  | 70    | -0.01    |
| 51 T | 2-Hexanone                | 10.000 | 9.389  | 6.1   | 68    | 0.00     |
| 52 T | Tetrachloroethene         | 10.000 | 8.615  | 13.8  | 78    | -0.01    |
| 53 T | Toluene                   | 10.000 | 9.739  | 2.6   | 78    | -0.01    |
| 54 T | 1,2-Dibromoethane         | 10.000 | 9.393  | 6.1   | 79    | -0.02    |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 80    | -0.01    |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 9.788  | 2.1   | 82    | -0.01    |
| 57 T | Chlorobenzene             | 10.000 | 9.268  | 7.3   | 81    | -0.01    |
| 58 T | Ethyl Benzene             | 10.000 | 9.817  | 1.8   | 80    | 0.00     |
| 59 T | m/p-Xylene                | 20.000 | 19.110 | 4.5   | 81    | -0.02    |
| 60 T | o-Xylene                  | 10.000 | 9.301  | 7.0   | 80    | -0.01    |
| 61 T | Styrene                   | 10.000 | 10.136 | -1.4  | 73    | -0.01    |
| 62   | Isopropylbenzene          | 10.000 | 9.634  | 3.7   | 83    | -0.01    |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 8.979  | 10.2  | 84    | -0.01    |
| 64   | n-propylbenzene           | 10.000 | 10.213 | -2.1  | 83    | -0.01    |
| 65   | tert-Butylbenzene         | 10.000 | 9.700  | 3.0   | 84    | 0.00     |
| 66 T | Benzyl Chloride           | 10.000 | 6.766  | 32.3# | 50    | 0.00     |
| 67   | sec-Butylbenzene          | 10.000 | 9.673  | 3.3   | 85    | -0.01    |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.227 | -2.3  | 78    | -0.01    |
| 69   | p-Isopropyltoluene        | 10.000 | 10.228 | -2.3  | 85    | -0.01    |
| 70   | n-Butylbenzene            | 10.000 | 10.099 | -1.0  | 85    | 0.00     |
| 71   | 2-Chlorotoluene           | 10.000 | 9.840  | 1.6   | 82    | -0.02    |
| 72 T | 4-Ethyltoluene            | 10.000 | 10.094 | -0.9  | 82    | -0.01    |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 9.599  | 4.0   | 80    | -0.02    |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 9.350  | 6.5   | 82    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 9.768  | 2.3   | 84    | -0.02    |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 9.698  | 3.0   | 85    | -0.02    |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 10.313 | -3.1  | 89    | -0.01    |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 9.067  | 9.3   | 89    | -0.01    |
| 79 T | Naphthalene               | 10.000 | 11.485 | -14.8 | 79    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 11.514 | -15.1 | 59    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 11.096 | -11.0 | 85    | -0.02    |

(#) = Out of Range

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