

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL062220\  
 Data File : VL035119.D  
 Acq On : 22 Jun 2020 20:33  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Jun 23 02:00:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Sat Jun 20 02:10:36 2020  
 QLast Update : Sat Jun 20 02:10:36 2020  
 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   | 94    | 0.01     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 9.616  | 3.8   | 105   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.286  | 7.1   | 97    | 0.01     |
| 4    | Chloromethane               | 10.000 | 9.588  | 4.1   | 98    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 9.930  | 0.7   | 99    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 9.686  | 3.1   | 98    | 0.01     |
| 7    | Chloroethane                | 10.000 | 10.229 | -2.3  | 104   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.251  | 7.5   | 98    | 0.00     |
| 9 T  | Propene                     | 10.000 | 10.484 | -4.8  | 103   | 0.01     |
| 10 T | Heptane                     | 10.000 | 10.389 | -3.9  | 97    | 0.02     |
| 11 T | Trichlorofluoromethane      | 10.000 | 9.549  | 4.5   | 101   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.753  | 2.5   | 101   | 0.01     |
| 13   | Ethanol                     | 10.000 | 7.059  | 29.4  | 100   | 0.02     |
| 14 T | Bromoethene                 | 10.000 | 10.082 | -0.8  | 100   | 0.00     |
| 15 T | Acetone                     | 10.000 | 8.753  | 12.5  | 100   | 0.01     |
| 16 T | 1,3-Butadiene               | 10.000 | 10.113 | -1.1  | 99    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 10.982 | -9.8  | 108   | 0.01     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 10.113 | -1.1  | 101   | 0.01     |
| 19 T | Isopropyl Alcohol           | 10.000 | 10.290 | -2.9  | 107   | 0.01     |
| 20 T | Methylene Chloride          | 10.000 | 8.215  | 17.9  | 103   | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 10.574 | -5.7  | 101   | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 10.736 | -7.4  | 105   | 0.01     |
| 23 T | Vinyl Acetate               | 10.000 | 10.734 | -7.3  | 101   | 0.01     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.624  | 3.8   | 99    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 9.408  | 5.9   | 98    | 0.00     |
| 26 T | Hexane                      | 10.000 | 9.404  | 6.0   | 99    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 11.893 | -18.9 | 107   | 0.02     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 10.406 | -4.1  | 101   | 0.02     |
| 29 T | Chloroform                  | 10.000 | 9.188  | 8.1   | 96    | 0.01     |
| 30 T | Cyclohexane                 | 10.000 | 10.808 | -8.1  | 96    | 0.01     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 10.230 | -2.3  | 96    | 0.02     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.701  | 3.0   | 97    | 0.01     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 94    | 0.02     |
| 34 T | 2-Butanone                  | 10.000 | 9.715  | 2.9   | 98    | 0.02     |
| 35 T | Carbon Tetrachloride        | 10.000 | 10.014 | -0.1  | 98    | 0.02     |
| 36 T | Benzene                     | 10.000 | 9.965  | 0.4   | 97    | 0.02     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 9.618  | 3.8   | 98    | 0.02     |
| 38 T | Trichloroethene             | 10.000 | 9.794  | 2.1   | 95    | 0.02     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 9.881  | 1.2   | 96    | 0.02     |
| 40 T | 1,4-Dioxane                 | 10.000 | 9.796  | 2.0   | 105   | 0.02     |
| 41 T | Tetrahydrofuran             | 10.000 | 10.686 | -6.9  | 98    | 0.02     |
| 42 T | Bromodichloromethane        | 10.000 | 10.113 | -1.1  | 97    | 0.01     |
| 43   | Methyl Methacrylate         | 10.000 | 10.577 | -5.8  | 95    | 0.02     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 9.708  | 2.9   | 96    | 0.01     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 12.185 | -21.9 | 97    | 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 | 11.658 | -16.6 | 97    | 0.02     |
| 47 T | 1,1,2-Trichloroethane     | 10.000 | 9.525  | 4.7   | 95    | 0.02     |
| 48 T | Dibromochloromethane      | 10.000 | 10.531 | -5.3  | 94    | 0.01     |
| 49 T | Bromoform                 | 10.000 | 10.299 | -3.0  | 90    | 0.01     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 9.911  | 0.9   | 95    | 0.02     |
| 51 T | 2-Hexanone                | 10.000 | 10.235 | -2.3  | 94    | 0.02     |
| 52 T | Tetrachloroethene         | 10.000 | 9.827  | 1.7   | 95    | 0.01     |
| 53 T | Toluene                   | 10.000 | 10.629 | -6.3  | 96    | 0.02     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 9.658  | 3.4   | 94    | 0.02     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 95    | 0.01     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 9.111  | 8.9   | 94    | 0.02     |
| 57 T | Chlorobenzene             | 10.000 | 8.527  | 14.7  | 93    | 0.02     |
| 58 T | Ethyl Benzene             | 10.000 | 9.943  | 0.6   | 95    | 0.02     |
| 59 T | m/p-Xylene                | 20.000 | 18.297 | 8.5   | 93    | 0.02     |
| 60 T | o-Xylene                  | 10.000 | 9.073  | 9.3   | 93    | 0.02     |
| 61 T | Styrene                   | 10.000 | 10.297 | -3.0  | 93    | 0.02     |
| 62   | Isopropylbenzene          | 10.000 | 8.934  | 10.7  | 93    | 0.02     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 7.731  | 22.7  | 91    | 0.02     |
| 64   | n-propylbenzene           | 10.000 | 9.183  | 8.2   | 92    | 0.02     |
| 65   | tert-Butylbenzene         | 10.000 | 8.964  | 10.4  | 93    | 0.02     |
| 66 T | Benzyl Chloride           | 10.000 | 11.429 | -14.3 | 97    | 0.02     |
| 67   | sec-Butylbenzene          | 10.000 | 8.910  | 10.9  | 93    | 0.01     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.385  | 6.2   | 94    | 0.01     |
| 69   | p-Isopropyltoluene        | 10.000 | 9.375  | 6.3   | 95    | 0.02     |
| 70   | n-Butylbenzene            | 10.000 | 9.338  | 6.6   | 98    | 0.02     |
| 71   | 2-Chlorotoluene           | 10.000 | 9.134  | 8.7   | 92    | 0.02     |
| 72 T | 4-Ethyltoluene            | 10.000 | 9.552  | 4.5   | 94    | 0.01     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 9.322  | 6.8   | 93    | 0.01     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 8.816  | 11.8  | 96    | 0.02     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 8.527  | 14.7  | 96    | 0.02     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 8.889  | 11.1  | 96    | 0.02     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 9.068  | 9.3   | 100   | 0.02     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 9.807  | 1.9   | 118   | 0.00     |
| 79 T | Naphthalene               | 10.000 | 12.104 | -21.0 | 119   | 0.02     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 11.868 | -18.7 | 95    | 0.01     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 10.878 | -8.8  | 116   | 0.01     |

(#) = Out of Range

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