

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022820\  
 Data File : VL034756.D  
 Acq On : 29 Feb 2020 3:44  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Mar 02 08:47:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Feb 28 01:15:02 2020  
 QLast Update : Fri Feb 28 01:15:02 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    | 83    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 12.095 | -21.0  | 130   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 11.400 | -14.0  | 102   | 0.00     |
| 4    | Chloromethane               | 10.000 | 11.530 | -15.3  | 100   | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 11.215 | -12.1  | 98    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 11.403 | -14.0  | 99    | 0.00     |
| 7    | Chloroethane                | 10.000 | 11.072 | -10.7  | 95    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 10.714 | -7.1   | 98    | 0.00     |
| 9 T  | Propene                     | 10.000 | 12.164 | -21.6  | 104   | 0.00     |
| 10 T | Heptane                     | 10.000 | 12.158 | -21.6  | 100   | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 11.285 | -12.9  | 102   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 11.130 | -11.3  | 102   | 0.00     |
| 13   | Ethanol                     | 10.000 | 8.248  | 17.5   | 75    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 11.827 | -18.3  | 102   | 0.00     |
| 15 T | Acetone                     | 10.000 | 11.464 | -14.6  | 110   | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 11.763 | -17.6  | 100   | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 10.576 | -5.8   | 78    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 11.280 | -12.8  | 100   | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 9.717  | 2.8    | 73    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 10.393 | -3.9   | 102   | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 11.988 | -19.9  | 101   | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 11.700 | -17.0  | 100   | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 13.136 | -31.4# | 105   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 11.211 | -12.1  | 99    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 11.816 | -18.2  | 102   | 0.00     |
| 26 T | Hexane                      | 10.000 | 11.347 | -13.5  | 99    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 12.283 | -22.8  | 99    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 12.597 | -26.0  | 104   | 0.00     |
| 29 T | Chloroform                  | 10.000 | 11.044 | -10.4  | 98    | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 12.197 | -22.0  | 100   | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 12.078 | -20.8  | 99    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 11.612 | -16.1  | 102   | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0    | 84    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 11.824 | -18.2  | 102   | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 11.325 | -13.2  | 98    | 0.00     |
| 36 T | Benzene                     | 10.000 | 11.407 | -14.1  | 99    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 11.423 | -14.2  | 101   | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 10.845 | -8.5   | 97    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 11.548 | -15.5  | 98    | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 10.700 | -7.0   | 84    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 12.630 | -26.3  | 101   | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 11.543 | -15.4  | 98    | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 12.378 | -23.8  | 98    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 11.277 | -12.8  | 98    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 13.463 | -34.6# | 97    | 0.00     |

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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 | 13.115 | -31.1# | 99    | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 10.000 | 11.198 | -12.0  | 97    | 0.00     |
| 48 T | Dibromochloromethane      | 10.000 | 11.995 | -19.9  | 97    | 0.00     |
| 49 T | Bromoform                 | 10.000 | 11.822 | -18.2  | 95    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 12.196 | -22.0  | 100   | 0.00     |
| 51 T | 2-Hexanone                | 10.000 | 12.829 | -28.3  | 100   | 0.00     |
| 52 T | Tetrachloroethene         | 10.000 | 10.743 | -7.4   | 100   | 0.00     |
| 53 T | Toluene                   | 10.000 | 12.198 | -22.0  | 98    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 11.459 | -14.6  | 97    | 0.00     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0    | 87    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 10.326 | -3.3   | 99    | 0.00     |
| 57 T | Chlorobenzene             | 10.000 | 10.003 | -0.0   | 97    | 0.00     |
| 58 T | Ethyl Benzene             | 10.000 | 11.131 | -11.3  | 99    | 0.00     |
| 59 T | m/p-Xylene                | 20.000 | 20.899 | -4.5   | 96    | 0.00     |
| 60 T | o-Xylene                  | 10.000 | 10.334 | -3.3   | 97    | 0.00     |
| 61 T | Styrene                   | 10.000 | 11.539 | -15.4  | 95    | 0.00     |
| 62   | Isopropylbenzene          | 10.000 | 10.341 | -3.4   | 97    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 9.315  | 6.9    | 96    | 0.00     |
| 64   | n-propylbenzene           | 10.000 | 10.404 | -4.0   | 95    | 0.00     |
| 65   | tert-Butylbenzene         | 10.000 | 10.319 | -3.2   | 97    | 0.00     |
| 66 T | Benzyl Chloride           | 10.000 | 12.553 | -25.5  | 96    | 0.00     |
| 67   | sec-Butylbenzene          | 10.000 | 10.354 | -3.5   | 98    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.456  | 5.4    | 85    | 0.00     |
| 69   | p-Isopropyltoluene        | 10.000 | 10.398 | -4.0   | 98    | 0.00     |
| 70   | n-Butylbenzene            | 10.000 | 10.329 | -3.3   | 98    | 0.00     |
| 71   | 2-Chlorotoluene           | 10.000 | 10.385 | -3.8   | 96    | 0.00     |
| 72 T | 4-Ethyltoluene            | 10.000 | 10.905 | -9.0   | 97    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 10.742 | -7.4   | 98    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 10.148 | -1.5   | 100   | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 9.954  | 0.5    | 98    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 10.055 | -0.5   | 97    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 10.197 | -2.0   | 99    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 10.550 | -5.5   | 109   | 0.00     |
| 79 T | Naphthalene               | 10.000 | 11.511 | -15.1  | 103   | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 14.601 | -46.0# | 149   | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 10.997 | -10.0  | 104   | 0.00     |

(#) = Out of Range

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