

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL070820\  
 Data File : VL035175.D  
 Acq On : 8 Jul 2020 7:45  
 Operator : SY/AP  
 Sample : VSTDICV010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL070820

Quant Time: Jul 08 08:55:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jul 08 07:05:23 2020  
 QLast Update : Wed Jul 08 07:05:23 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   | 100   | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 8.576  | 14.2  | 101   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 8.992  | 10.1  | 105   | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.094  | 9.1   | 106   | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 8.385  | 16.2  | 102   | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 9.224  | 7.8   | 101   | 0.00     |
| 7    | Chloroethane                | 10.000 | 8.981  | 10.2  | 101   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 8.430  | 15.7  | 101   | 0.00     |
| 9 T  | Propene                     | 10.000 | 10.251 | -2.5  | 111   | 0.00     |
| 10 T | Heptane                     | 10.000 | 10.416 | -4.2  | 103   | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 8.499  | 15.0  | 98    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 8.618  | 13.8  | 99    | 0.00     |
| 13   | Ethanol                     | 10.000 | 7.712  | 22.9  | 125   | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.253  | 7.5   | 101   | 0.00     |
| 15 T | Acetone                     | 10.000 | 7.671  | 23.3  | 101   | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.861  | 1.4   | 104   | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 10.029 | -0.3  | 112   | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.035  | 9.6   | 99    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 10.038 | -0.4  | 118   | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 7.309  | 26.9  | 109   | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.492  | 5.1   | 105   | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 9.045  | 9.6   | 100   | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 10.399 | -4.0  | 109   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.245  | 7.6   | 104   | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 9.449  | 5.5   | 104   | 0.00     |
| 26 T | Hexane                      | 10.000 | 9.581  | 4.2   | 104   | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 9.105  | 8.9   | 97    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 9.987  | 0.1   | 106   | 0.00     |
| 29 T | Chloroform                  | 10.000 | 8.799  | 12.0  | 100   | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 10.713 | -7.1  | 101   | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 10.351 | -3.5  | 106   | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 8.771  | 12.3  | 100   | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 99    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 9.988  | 0.1   | 107   | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 9.075  | 9.3   | 99    | 0.00     |
| 36 T | Benzene                     | 10.000 | 10.198 | -2.0  | 104   | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 9.270  | 7.3   | 101   | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 9.604  | 4.0   | 98    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 10.025 | -0.3  | 105   | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 10.104 | -1.0  | 102   | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 11.070 | -10.7 | 107   | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 9.593  | 4.1   | 100   | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 10.900 | -9.0  | 102   | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 10.053 | -0.5  | 103   | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 11.623 | -16.2 | 101   | 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 | 11.671 | -16.7   | 103   | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 10.000 | 9.685  | 3.1     | 100   | 0.00     |
| 48 T | Dibromochloromethane      | 10.000 | 10.121 | -1.2    | 99    | 0.00     |
| 49 T | Bromoform                 | 10.000 | 9.924  | 0.8     | 96    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 10.058 | -0.6    | 99    | 0.00     |
| 51 T | 2-Hexanone                | 10.000 | 10.843 | -8.4    | 101   | 0.00     |
| 52 T | Tetrachloroethene         | 10.000 | 9.760  | 2.4     | 103   | 0.00     |
| 53 T | Toluene                   | 10.000 | 11.127 | -11.3   | 102   | 0.00     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 9.881  | 1.2     | 100   | 0.00     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0     | 96    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 9.171  | 8.3     | 98    | 0.00     |
| 57 T | Chlorobenzene             | 10.000 | 9.105  | 8.9     | 99    | 0.00     |
| 58 T | Ethyl Benzene             | 10.000 | 10.720 | -7.2    | 100   | 0.00     |
| 59 T | m/p-Xylene                | 20.000 | 19.968 | 0.2     | 99    | 0.00     |
| 60 T | o-Xylene                  | 10.000 | 9.872  | 1.3     | 97    | 0.00     |
| 61 T | Styrene                   | 10.000 | 11.464 | -14.6   | 98    | 0.00     |
| 62   | Isopropylbenzene          | 10.000 | 9.863  | 1.4     | 99    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 8.392  | 16.1    | 97    | 0.00     |
| 64   | n-propylbenzene           | 10.000 | 10.125 | -1.3    | 98    | 0.00     |
| 65   | tert-Butylbenzene         | 10.000 | 9.726  | 2.7     | 98    | 0.00     |
| 66 T | Benzyl Chloride           | 10.000 | 10.518 | -5.2    | 93    | 0.00     |
| 67   | sec-Butylbenzene          | 10.000 | 9.467  | 5.3     | 96    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.772  | 2.3     | 97    | 0.00     |
| 69   | p-Isopropyltoluene        | 10.000 | 9.960  | 0.4     | 97    | 0.00     |
| 70   | n-Butylbenzene            | 10.000 | 9.765  | 2.3     | 96    | 0.00     |
| 71   | 2-Chlorotoluene           | 10.000 | 10.030 | -0.3    | 97    | 0.00     |
| 72 T | 4-Ethyltoluene            | 10.000 | 10.292 | -2.9    | 97    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 10.039 | -0.4    | 97    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 9.487  | 5.1     | 97    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 8.458  | 15.4    | 96    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 9.112  | 8.9     | 94    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 9.096  | 9.0     | 96    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 8.419  | 15.8    | 96    | 0.00     |
| 79 T | Naphthalene               | 10.000 | 12.525 | -25.3   | 99    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 20.138 | -101.4# | 101   | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 10.797 | -8.0    | 98    | 0.00     |

(#) = Out of Range

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