

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060424\  
 Data File : VL041305.D  
 Acq On : 4 Jun 2024 13:49  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL060424

Quant Time: Jun 05 06:37:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL060424AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Jun 05 04:42:10 2024  
 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  | 99    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 8.769  | 12.3 | 97    | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.024  | 9.8  | 99    | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.067  | 9.3  | 99    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 9.450  | 5.5  | 101   | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 8.070  | 19.3 | 89    | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.413  | 5.9  | 100   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.124  | 8.8  | 99    | 0.00     |
| 9 T  | Propene                     | 10.000 | 8.904  | 11.0 | 99    | 0.00     |
| 10 T | Heptane                     | 10.000 | 9.399  | 6.0  | 98    | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 9.153  | 8.5  | 99    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.243  | 7.6  | 98    | 0.00     |
| 13   | Ethanol                     | 10.000 | 7.611  | 23.9 | 89    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.312  | 6.9  | 96    | 0.00     |
| 15 T | Acetone                     | 10.000 | 8.967  | 10.3 | 100   | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.595  | 4.0  | 96    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 9.943  | 0.6  | 99    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.675  | 3.2  | 99    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 10.454 | -4.5 | 100   | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 8.459  | 15.4 | 100   | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.452  | 5.5  | 98    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 9.545  | 4.6  | 98    | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 10.323 | -3.2 | 100   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.229  | 7.7  | 98    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 9.309  | 6.9  | 100   | 0.00     |
| 26 T | Hexane                      | 10.000 | 9.005  | 9.9  | 100   | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 10.075 | -0.7 | 99    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 9.335  | 6.6  | 99    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.167  | 8.3  | 99    | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 9.354  | 6.5  | 100   | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.546  | 4.5  | 99    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.616  | 3.8  | 100   | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0  | 99    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 10.311 | -3.1 | 104   | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 9.674  | 3.3  | 97    | 0.00     |
| 36 T | Benzene                     | 10.000 | 9.621  | 3.8  | 99    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 9.615  | 3.8  | 99    | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 9.211  | 7.9  | 101   | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 9.340  | 6.6  | 99    | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 9.661  | 3.4  | 101   | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 10.100 | -1.0 | 102   | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 9.560  | 4.4  | 97    | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 10.308 | -3.1 | 99    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 9.397  | 6.0  | 99    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 9.732  | 2.7  | 85    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 9.534  | 4.7  | 91    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 9.595  | 4.0  | 99    | 0.00     |
| 48 T | Dibromochloromethane        | 10.000 | 9.830  | 1.7  | 98    | 0.00     |

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

|       | Compound                  | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|-------|---------------------------|--------|--------|-------|-------|----------|
| ----- |                           |        |        |       |       |          |
| 49 T  | Bromoform                 | 10.000 | 10.161 | -1.6  | 99    | 0.00     |
| 50 T  | 4-Methyl-2-Pentanone      | 10.000 | 9.824  | 1.8   | 98    | 0.00     |
| 51 T  | 2-Hexanone                | 10.000 | 10.190 | -1.9  | 97    | 0.00     |
| 52 T  | Tetrachloroethene         | 10.000 | 9.449  | 5.5   | 99    | 0.00     |
| 53 T  | Toluene                   | 10.000 | 9.850  | 1.5   | 100   | 0.00     |
| 54 T  | 1,2-Dibromoethane         | 10.000 | 9.722  | 2.8   | 95    | 0.00     |
| ----- |                           |        |        |       |       |          |
| 55 I  | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 100   | 0.00     |
| 56    | 1,1,1,2-Tetrachloroethane | 10.000 | 9.199  | 8.0   | 97    | 0.00     |
| 57 T  | Chlorobenzene             | 10.000 | 9.093  | 9.1   | 99    | 0.00     |
| 58 T  | Ethyl Benzene             | 10.000 | 9.456  | 5.4   | 99    | 0.00     |
| 59 T  | m/p-Xylene                | 20.000 | 18.629 | 6.9   | 99    | 0.00     |
| 60 T  | o-Xylene                  | 10.000 | 9.241  | 7.6   | 99    | 0.00     |
| 61 T  | Styrene                   | 10.000 | 10.041 | -0.4  | 98    | 0.00     |
| 62    | Isopropylbenzene          | 10.000 | 9.138  | 8.6   | 99    | 0.00     |
| 63 T  | 1,1,2,2-Tetrachloroethane | 10.000 | 9.180  | 8.2   | 98    | 0.00     |
| 64    | n-propylbenzene           | 10.000 | 9.254  | 7.5   | 97    | 0.00     |
| 65    | tert-Butylbenzene         | 10.000 | 9.072  | 9.3   | 99    | 0.00     |
| 66 T  | Benzyl Chloride           | 10.000 | 7.375  | 26.3  | 65    | 0.00     |
| 67    | sec-Butylbenzene          | 10.000 | 9.165  | 8.4   | 99    | 0.00     |
| 68 S  | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.969  | 0.3   | 100   | 0.00     |
| 69    | p-Isopropyltoluene        | 10.000 | 9.287  | 7.1   | 100   | 0.00     |
| 70    | n-Butylbenzene            | 10.000 | 9.446  | 5.5   | 101   | 0.00     |
| 71    | 2-Chlorotoluene           | 10.000 | 9.176  | 8.2   | 98    | 0.00     |
| 72 T  | 4-Ethyltoluene            | 10.000 | 9.334  | 6.7   | 97    | 0.00     |
| 73 T  | 1,3,5-Trimethylbenzene    | 10.000 | 9.609  | 3.9   | 100   | 0.00     |
| 74 T  | 1,2,4-Trimethylbenzene    | 10.000 | 9.270  | 7.3   | 99    | 0.00     |
| 75 T  | 1,3-Dichlorobenzene       | 10.000 | 9.453  | 5.5   | 99    | 0.00     |
| 76 T  | 1,4-Dichlorobenzene       | 10.000 | 9.308  | 6.9   | 100   | 0.00     |
| 77 T  | 1,2-Dichlorobenzene       | 10.000 | 9.278  | 7.2   | 100   | 0.00     |
| 78 T  | Hexachloro-1,3-Butadiene  | 10.000 | 8.278  | 17.2  | 101   | 0.00     |
| 79 T  | Naphthalene               | 10.000 | 11.246 | -12.5 | 97    | 0.00     |
| 80 T  | Naphthalene,2-methyl-     | 10.000 | 11.459 | -14.6 | 98    | 0.00     |
| 81 T  | 1,2,4-Trichlorobenzene    | 10.000 | 9.668  | 3.3   | 99    | 0.00     |
| ----- |                           |        |        |       |       |          |

(#) = Out of Range

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