

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL112024\  
 Data File : VL041697.D  
 Acq On : 20 Nov 2024 8:09  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Nov 21 05:07:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110724AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Nov 08 01:01:00 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                    | AvgRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|--------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000  | 0.0   | 96    | 0.02     |
| 2 T  | Dichlorodifluoromethane     | 1.807 | 1.905  | -5.4  | 97    | 0.01     |
| 3    | Chlorodifluoromethane       | 1.303 | 1.260  | 3.3   | 102   | 0.01     |
| 4    | Chloromethane               | 0.690 | 0.681  | 1.3   | 101   | 0.01     |
| 5 T  | Vinyl Chloride              | 0.621 | 0.660  | -6.3  | 101   | 0.02     |
| 6 T  | Bromomethane                | 0.329 | 0.342  | -4.0  | 104   | 0.02     |
| 7    | Chloroethane                | 0.227 | 0.234  | -3.1  | 101   | 0.02     |
| 8 T  | Dichlorotetrafluoroethane   | 1.613 | 1.577  | 2.2   | 103   | 0.02     |
| 9 T  | Propene                     | 0.568 | 0.563  | 0.9   | 102   | 0.01     |
| 10 T | Heptane                     | 1.272 | 1.394  | -9.6  | 102   | 0.01     |
| 11 T | Trichlorofluoromethane      | 1.574 | 1.584  | -0.6  | 103   | 0.02     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.144 | 1.149  | -0.4  | 103   | 0.02     |
| 13   | Ethanol                     | 0.035 | 0.031# | 11.4  | 104   | 0.00     |
| 14 T | Bromoethene                 | 0.460 | 0.474  | -3.0  | 106   | 0.01     |
| 15 T | Acetone                     | 1.231 | 1.217  | 1.1   | 106   | 0.02     |
| 16 T | 1,3-Butadiene               | 0.621 | 0.667  | -7.4  | 102   | 0.02     |
| 17   | tert-Butyl alcohol          | 1.080 | 1.099  | -1.8  | 102   | 0.02     |
| 18 T | 1,1-Dichloroethene          | 0.502 | 0.522  | -4.0  | 105   | 0.02     |
| 19 T | Isopropyl Alcohol           | 0.588 | 0.602  | -2.4  | 105   | 0.02     |
| 20 T | Methylene Chloride          | 0.453 | 0.432  | 4.6   | 104   | 0.02     |
| 21 T | Allyl Chloride              | 0.761 | 0.820  | -7.8  | 104   | 0.02     |
| 22 T | trans-1,2-Dichloroethene    | 0.499 | 0.530  | -6.2  | 105   | 0.02     |
| 23 T | Vinyl Acetate               | 0.543 | 0.566  | -4.2  | 106   | 0.02     |
| 24 T | 1,1-Dichloroethane          | 1.114 | 1.148  | -3.1  | 105   | 0.02     |
| 25 T | Ethyl Acetate               | 2.548 | 2.629  | -3.2  | 102   | 0.01     |
| 26 T | Hexane                      | 0.979 | 1.034  | -5.6  | 103   | 0.02     |
| 27 T | Carbon Disulfide            | 1.100 | 1.288  | -17.1 | 105   | 0.02     |
| 28 T | Methyl tert-Butyl Ether     | 0.630 | 0.620  | 1.6   | 104   | 0.02     |
| 29 T | Chloroform                  | 1.616 | 1.636  | -1.2  | 103   | 0.02     |
| 30 T | Cyclohexane                 | 0.833 | 0.887  | -6.5  | 103   | 0.02     |
| 31 T | cis-1,2-Dichloroethene      | 0.942 | 0.999  | -6.1  | 102   | 0.02     |
| 32 T | 1,1,1-Trichloroethane       | 1.474 | 1.573  | -6.7  | 101   | 0.02     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000  | 0.0   | 97    | 0.02     |
| 34 T | 2-Butanone                  | 0.498 | 0.485  | 2.6   | 98    | 0.02     |
| 35 T | Carbon Tetrachloride        | 0.528 | 0.592  | -12.1 | 102   | 0.02     |
| 36 T | Benzene                     | 0.741 | 0.784  | -5.8  | 103   | 0.02     |
| 37 T | 1,2-Dichloroethane          | 0.418 | 0.435  | -4.1  | 103   | 0.02     |
| 38 T | Trichloroethene             | 0.285 | 0.318  | -11.6 | 102   | 0.02     |
| 39 T | 1,2-Dichloropropane         | 0.293 | 0.303  | -3.4  | 103   | 0.02     |
| 40 T | 1,4-Dioxane                 | 0.105 | 0.116  | -10.5 | 101   | 0.02     |
| 41 T | Tetrahydrofuran             | 0.284 | 0.314  | -10.6 | 103   | 0.02     |
| 42 T | Bromodichloromethane        | 0.581 | 0.621  | -6.9  | 102   | 0.02     |
| 43   | Methyl Methacrylate         | 0.260 | 0.300  | -15.4 | 101   | 0.02     |
| 44 T | 2,2,4-Trimethylpentane      | 1.255 | 1.323  | -5.4  | 102   | 0.02     |
| 45 T | t-1,3-Dichloropropene       | 0.238 | 0.301  | -26.5 | 103   | 0.02     |
| 46 T | cis-1,3-Dichloropropene     | 0.341 | 0.407  | -19.4 | 102   | 0.02     |
| 47 T | 1,1,2-Trichloroethane       | 0.317 | 0.324  | -2.2  | 102   | 0.02     |
| 48 T | Dibromochloromethane        | 0.482 | 0.536  | -11.2 | 101   | 0.02     |

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|      | Compound                  | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|---------------------------|-------|-------|--------|-------|----------|
| 49 T | Bromoform                 | 0.412 | 0.475 | -15.3  | 100   | 0.02     |
| 50 T | 4-Methyl-2-Pentanone      | 0.764 | 0.837 | -9.6   | 100   | 0.01     |
| 51 T | 2-Hexanone                | 0.557 | 0.655 | -17.6  | 101   | 0.01     |
| 52 T | Tetrachloroethene         | 0.252 | 0.286 | -13.5  | 100   | 0.01     |
| 53 T | Toluene                   | 0.779 | 0.897 | -15.1  | 101   | 0.02     |
| 54 T | 1,2-Dibromoethane         | 0.370 | 0.435 | -17.6  | 101   | 0.02     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0    | 95    | 0.02     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.412 | 0.408 | 1.0    | 101   | 0.02     |
| 57 T | Chlorobenzene             | 0.740 | 0.714 | 3.5    | 100   | 0.01     |
| 58 T | Ethyl Benzene             | 1.096 | 1.221 | -11.4  | 101   | 0.02     |
| 59 T | m/p-Xylene                | 0.982 | 1.041 | -6.0   | 101   | 0.02     |
| 60 T | o-Xylene                  | 0.936 | 1.009 | -7.8   | 101   | 0.02     |
| 61 T | Styrene                   | 0.386 | 0.484 | -25.4  | 101   | 0.01     |
| 62   | Isopropylbenzene          | 1.446 | 1.487 | -2.8   | 101   | 0.02     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.689 | 0.703 | -2.0   | 101   | 0.02     |
| 64   | n-propylbenzene           | 0.378 | 0.402 | -6.3   | 101   | 0.02     |
| 65   | tert-Butylbenzene         | 1.299 | 1.331 | -2.5   | 101   | 0.01     |
| 66 T | Benzyl Chloride           | 0.100 | 0.118 | -18.0  | 103   | 0.02     |
| 67   | sec-Butylbenzene          | 1.831 | 1.868 | -2.0   | 100   | 0.01     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.737 | 0.734 | 0.4    | 97    | 0.01     |
| 69   | p-Isopropyltoluene        | 1.481 | 1.560 | -5.3   | 100   | 0.02     |
| 70   | n-Butylbenzene            | 1.515 | 1.612 | -6.4   | 101   | 0.02     |
| 71   | 2-Chlorotoluene           | 1.045 | 1.125 | -7.7   | 101   | 0.02     |
| 72 T | 4-Ethyltoluene            | 1.088 | 1.197 | -10.0  | 100   | 0.01     |
| 73 T | 1,3,5-Trimethylbenzene    | 0.955 | 1.026 | -7.4   | 100   | 0.01     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.109 | 1.143 | -3.1   | 101   | 0.02     |
| 75 T | 1,3-Dichlorobenzene       | 0.687 | 0.705 | -2.6   | 101   | 0.02     |
| 76 T | 1,4-Dichlorobenzene       | 0.663 | 0.694 | -4.7   | 102   | 0.02     |
| 77 T | 1,2-Dichlorobenzene       | 0.681 | 0.683 | -0.3   | 100   | 0.02     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.538 | 0.453 | 15.8   | 100   | 0.02     |
| 79 T | Naphthalene               | 0.685 | 0.892 | -30.2# | 101   | 0.02     |
| 80 T | Naphthalene,2-methyl-     | 0.149 | 0.176 | -18.1  | 119   | 0.01     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.431 | 0.458 | -6.3   | 102   | 0.02     |

(#) = Out of Range

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