

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042924\  
 Data File : VL041186.D  
 Acq On : 29 Apr 2024 16:07  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL042924

Quant Time: Apr 30 05:51:25 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL042924AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Apr 30 05:46:58 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   | 80    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.353 | 1.532 | -13.2 | 96    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.519 | 1.578 | -3.9  | 90    | 0.00     |
| 4    | Chloromethane               | 0.596 | 0.639 | -7.2  | 92    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.599 | 0.637 | -6.3  | 89    | 0.00     |
| 6 T  | Bromomethane                | 0.218 | 0.211 | 3.2   | 82    | 0.00     |
| 7    | Chloroethane                | 0.211 | 0.221 | -4.7  | 89    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.400 | 1.439 | -2.8  | 87    | 0.00     |
| 9 T  | Propene                     | 0.594 | 0.626 | -5.4  | 91    | 0.00     |
| 10 T | Heptane                     | 1.440 | 1.493 | -3.7  | 89    | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.375 | 1.440 | -4.7  | 88    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.017 | 1.065 | -4.7  | 88    | 0.00     |
| 13   | Ethanol                     | 0.133 | 0.139 | -4.5  | 83    | 0.00     |
| 14 T | Bromoethene                 | 0.420 | 0.437 | -4.0  | 87    | 0.00     |
| 15 T | Acetone                     | 1.180 | 1.158 | 1.9   | 91    | 0.00     |
| 16 T | 1,3-Butadiene               | 0.596 | 0.656 | -10.1 | 90    | 0.00     |
| 17   | tert-Butyl alcohol          | 1.273 | 1.411 | -10.8 | 86    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.453 | 0.486 | -7.3  | 89    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.774 | 0.897 | -15.9 | 89    | 0.00     |
| 20 T | Methylene Chloride          | 0.410 | 0.406 | 1.0   | 88    | 0.00     |
| 21 T | Allyl Chloride              | 0.770 | 0.813 | -5.6  | 90    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.471 | 0.495 | -5.1  | 87    | 0.00     |
| 23 T | Vinyl Acetate               | 1.300 | 1.413 | -8.7  | 90    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.011 | 1.072 | -6.0  | 91    | 0.00     |
| 25 T | Ethyl Acetate               | 2.356 | 2.492 | -5.8  | 90    | 0.00     |
| 26 T | Hexane                      | 1.051 | 1.102 | -4.9  | 92    | 0.00     |
| 27 T | Carbon Disulfide            | 1.244 | 1.315 | -5.7  | 87    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 0.837 | 0.870 | -3.9  | 86    | 0.00     |
| 29 T | Chloroform                  | 1.450 | 1.552 | -7.0  | 91    | 0.00     |
| 30 T | Cyclohexane                 | 0.832 | 0.886 | -6.5  | 89    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 0.984 | 1.075 | -9.2  | 91    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.447 | 1.541 | -6.5  | 89    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 82    | 0.00     |
| 34 T | 2-Butanone                  | 0.509 | 0.578 | -13.6 | 106   | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.561 | 0.611 | -8.9  | 90    | 0.00     |
| 36 T | Benzene                     | 0.839 | 0.879 | -4.8  | 90    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.438 | 0.478 | -9.1  | 92    | 0.00     |
| 38 T | Trichloroethene             | 0.313 | 0.309 | 1.3   | 89    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.323 | 0.347 | -7.4  | 91    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.116 | 0.132 | -13.8 | 93    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.368 | 0.387 | -5.2  | 89    | 0.00     |
| 42 T | Bromodichloromethane        | 0.628 | 0.691 | -10.0 | 91    | 0.00     |
| 43   | Methyl Methacrylate         | 0.339 | 0.359 | -5.9  | 88    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.447 | 1.487 | -2.8  | 90    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.246 | 0.264 | -7.3  | 81    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 0.301 | 0.314 | -4.3  | 85    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 0.324 | 0.346 | -6.8  | 91    | 0.00     |
| 48 T | Dibromochloromethane        | 0.516 | 0.568 | -10.1 | 89    | 0.00     |

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

|      | Compound                  | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|---------------------------|-------|-------|-------|-------|----------|
| 49 T | Bromoform                 | 0.439 | 0.495 | -12.8 | 90    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 0.913 | 0.917 | -0.4  | 87    | 0.00     |
| 51 T | 2-Hexanone                | 0.678 | 0.675 | 0.4   | 88    | 0.00     |
| 52 T | Tetrachloroethene         | 0.295 | 0.305 | -3.4  | 90    | 0.00     |
| 53 T | Toluene                   | 0.973 | 1.008 | -3.6  | 89    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.438 | 0.468 | -6.8  | 89    | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0   | 83    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.405 | 0.419 | -3.5  | 89    | 0.00     |
| 57 T | Chlorobenzene             | 0.732 | 0.731 | 0.1   | 90    | 0.00     |
| 58 T | Ethyl Benzene             | 1.371 | 1.358 | 0.9   | 90    | 0.00     |
| 59 T | m/p-Xylene                | 1.152 | 1.134 | 1.6   | 90    | 0.00     |
| 60 T | o-Xylene                  | 1.080 | 1.065 | 1.4   | 90    | 0.00     |
| 61 T | Styrene                   | 0.571 | 0.582 | -1.9  | 89    | 0.00     |
| 62   | Isopropylbenzene          | 1.616 | 1.594 | 1.4   | 91    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.736 | 0.752 | -2.2  | 91    | 0.00     |
| 64   | n-propylbenzene           | 0.403 | 0.410 | -1.7  | 90    | 0.00     |
| 65   | tert-Butylbenzene         | 1.447 | 1.386 | 4.2   | 91    | 0.00     |
| 66 T | Benzyl Chloride           | 0.164 | 0.134 | 18.3  | 63    | 0.00     |
| 67   | sec-Butylbenzene          | 2.037 | 1.970 | 3.3   | 91    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.755 | 0.739 | 2.1   | 82    | 0.00     |
| 69   | p-Isopropyltoluene        | 1.679 | 1.626 | 3.2   | 91    | 0.00     |
| 70   | n-Butylbenzene            | 1.753 | 1.714 | 2.2   | 91    | 0.00     |
| 71   | 2-Chlorotoluene           | 1.230 | 1.223 | 0.6   | 90    | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.224 | 1.254 | -2.5  | 90    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.107 | 1.102 | 0.5   | 90    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.209 | 1.194 | 1.2   | 91    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.693 | 0.703 | -1.4  | 91    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 0.667 | 0.694 | -4.0  | 90    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.693 | 0.681 | 1.7   | 91    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.616 | 0.548 | 11.0  | 92    | 0.00     |
| 79 T | Naphthalene               | 1.151 | 1.185 | -3.0  | 90    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 0.463 | 0.391 | 15.6  | 86    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.608 | 0.599 | 1.5   | 90    | 0.00     |

(#) = Out of Range

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