

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL112024\  
 Data File : VL041709.D  
 Acq On : 21 Nov 2024 7:29  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Nov 21 07:59:35 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    | 103   | 0.03     |
| 2 T  | Dichlorodifluoromethane     | 1.807 | 0.969  | 46.4#  | 53    | 0.03     |
| 3    | Chlorodifluoromethane       | 1.303 | 1.102  | 15.4   | 96    | 0.03     |
| 4    | Chloromethane               | 0.690 | 0.615  | 10.9   | 98    | 0.03     |
| 5 T  | Vinyl Chloride              | 0.621 | 0.610  | 1.8    | 101   | 0.03     |
| 6 T  | Bromomethane                | 0.329 | 0.251  | 23.7   | 82    | 0.03     |
| 7    | Chloroethane                | 0.227 | 0.219  | 3.5    | 101   | 0.03     |
| 8 T  | Dichlorotetrafluoroethane   | 1.613 | 1.411  | 12.5   | 99    | 0.03     |
| 9 T  | Propene                     | 0.568 | 0.515  | 9.3    | 100   | 0.03     |
| 10 T | Heptane                     | 1.272 | 1.275  | -0.2   | 100   | 0.03     |
| 11 T | Trichlorofluoromethane      | 1.574 | 1.425  | 9.5    | 99    | 0.03     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.144 | 1.070  | 6.5    | 103   | 0.03     |
| 13   | Ethanol                     | 0.035 | 0.019# | 45.7#  | 68    | 0.03     |
| 14 T | Bromoethene                 | 0.460 | 0.434  | 5.7    | 104   | 0.03     |
| 15 T | Acetone                     | 1.231 | 1.068  | 13.2   | 100   | 0.03     |
| 16 T | 1,3-Butadiene               | 0.621 | 0.592  | 4.7    | 97    | 0.03     |
| 17   | tert-Butyl alcohol          | 1.080 | 1.166  | -8.0   | 116   | 0.03     |
| 18 T | 1,1-Dichloroethene          | 0.502 | 0.474  | 5.6    | 103   | 0.03     |
| 19 T | Isopropyl Alcohol           | 0.588 | 0.651  | -10.7  | 122   | 0.03     |
| 20 T | Methylene Chloride          | 0.453 | 0.389  | 14.1   | 100   | 0.03     |
| 21 T | Allyl Chloride              | 0.761 | 0.743  | 2.4    | 101   | 0.03     |
| 22 T | trans-1,2-Dichloroethene    | 0.499 | 0.486  | 2.6    | 104   | 0.03     |
| 23 T | Vinyl Acetate               | 0.543 | 0.667  | -22.8  | 134   | 0.03     |
| 24 T | 1,1-Dichloroethane          | 1.114 | 1.035  | 7.1    | 102   | 0.03     |
| 25 T | Ethyl Acetate               | 2.548 | 2.312  | 9.3    | 97    | 0.03     |
| 26 T | Hexane                      | 0.979 | 0.949  | 3.1    | 101   | 0.03     |
| 27 T | Carbon Disulfide            | 1.100 | 1.126  | -2.4   | 99    | 0.03     |
| 28 T | Methyl tert-Butyl Ether     | 0.630 | 0.611  | 3.0    | 110   | 0.03     |
| 29 T | Chloroform                  | 1.616 | 1.452  | 10.1   | 99    | 0.03     |
| 30 T | Cyclohexane                 | 0.833 | 0.804  | 3.5    | 101   | 0.03     |
| 31 T | cis-1,2-Dichloroethene      | 0.942 | 0.917  | 2.7    | 101   | 0.03     |
| 32 T | 1,1,1-Trichloroethane       | 1.474 | 1.421  | 3.6    | 99    | 0.03     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000  | 0.0    | 104   | 0.03     |
| 34 T | 2-Butanone                  | 0.498 | 0.427  | 14.3   | 93    | 0.03     |
| 35 T | Carbon Tetrachloride        | 0.528 | 0.526  | 0.4    | 97    | 0.03     |
| 36 T | Benzene                     | 0.741 | 0.717  | 3.2    | 101   | 0.03     |
| 37 T | 1,2-Dichloroethane          | 0.418 | 0.391  | 6.5    | 99    | 0.03     |
| 38 T | Trichloroethene             | 0.285 | 0.394  | -38.2# | 135   | 0.03     |
| 39 T | 1,2-Dichloropropane         | 0.293 | 0.276  | 5.8    | 101   | 0.03     |
| 40 T | 1,4-Dioxane                 | 0.105 | 0.122  | -16.2  | 114   | 0.03     |
| 41 T | Tetrahydrofuran             | 0.284 | 0.300  | -5.6   | 105   | 0.03     |
| 42 T | Bromodichloromethane        | 0.581 | 0.566  | 2.6    | 99    | 0.03     |
| 43   | Methyl Methacrylate         | 0.260 | 0.278  | -6.9   | 100   | 0.03     |
| 44 T | 2,2,4-Trimethylpentane      | 1.255 | 1.204  | 4.1    | 100   | 0.03     |
| 45 T | t-1,3-Dichloropropene       | 0.238 | 0.242  | -1.7   | 89    | 0.03     |
| 46 T | cis-1,3-Dichloropropene     | 0.341 | 0.347  | -1.8   | 93    | 0.03     |
| 47 T | 1,1,2-Trichloroethane       | 0.317 | 0.295  | 6.9    | 99    | 0.03     |
| 48 T | Dibromochloromethane        | 0.482 | 0.477  | 1.0    | 96    | 0.03     |

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 ALS Vial : 1 Sample Multiplier: 1

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 LabSampleId :  
 VSTDCCC010

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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) |
|------|---------------------------|-------|-------|---------|-------|----------|
| 49 T | Bromoform                 | 0.412 | 0.420 | -1.9    | 95    | 0.03     |
| 50 T | 4-Methyl-2-Pentanone      | 0.764 | 0.774 | -1.3    | 99    | 0.03     |
| 51 T | 2-Hexanone                | 0.557 | 0.607 | -9.0    | 100   | 0.03     |
| 52 T | Tetrachloroethene         | 0.252 | 0.260 | -3.2    | 98    | 0.03     |
| 53 T | Toluene                   | 0.779 | 0.817 | -4.9    | 99    | 0.03     |
| 54 T | 1,2-Dibromoethane         | 0.370 | 0.389 | -5.1    | 97    | 0.03     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0     | 95    | 0.03     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.412 | 0.379 | 8.0     | 94    | 0.03     |
| 57 T | Chlorobenzene             | 0.740 | 0.684 | 7.6     | 96    | 0.03     |
| 58 T | Ethyl Benzene             | 1.096 | 1.180 | -7.7    | 98    | 0.03     |
| 59 T | m/p-Xylene                | 0.982 | 0.998 | -1.6    | 97    | 0.03     |
| 60 T | o-Xylene                  | 0.936 | 0.959 | -2.5    | 96    | 0.03     |
| 61 T | Styrene                   | 0.386 | 0.466 | -20.7   | 97    | 0.03     |
| 62   | Isopropylbenzene          | 1.446 | 1.389 | 3.9     | 94    | 0.03     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.689 | 0.385 | 44.1#   | 55    | 0.03     |
| 64   | n-propylbenzene           | 0.378 | 0.374 | 1.1     | 94    | 0.03     |
| 65   | tert-Butylbenzene         | 1.299 | 1.251 | 3.7     | 95    | 0.03     |
| 66 T | Benzyl Chloride           | 0.100 | 0.064 | 36.0#   | 56    | 0.03     |
| 67   | sec-Butylbenzene          | 1.831 | 1.740 | 5.0     | 93    | 0.03     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.737 | 0.751 | -1.9    | 99    | 0.03     |
| 69   | p-Isopropyltoluene        | 1.481 | 1.454 | 1.8     | 93    | 0.03     |
| 70   | n-Butylbenzene            | 1.515 | 1.497 | 1.2     | 94    | 0.03     |
| 71   | 2-Chlorotoluene           | 1.045 | 1.048 | -0.3    | 94    | 0.03     |
| 72 T | 4-Ethyltoluene            | 1.088 | 1.143 | -5.1    | 96    | 0.03     |
| 73 T | 1,3,5-Trimethylbenzene    | 0.955 | 0.975 | -2.1    | 95    | 0.03     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.109 | 1.079 | 2.7     | 95    | 0.03     |
| 75 T | 1,3-Dichlorobenzene       | 0.687 | 0.671 | 2.3     | 96    | 0.04     |
| 76 T | 1,4-Dichlorobenzene       | 0.663 | 0.655 | 1.2     | 96    | 0.03     |
| 77 T | 1,2-Dichlorobenzene       | 0.681 | 0.652 | 4.3     | 96    | 0.03     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.538 | 0.463 | 13.9    | 102   | 0.04     |
| 79 T | Naphthalene               | 0.685 | 0.965 | -40.9#  | 110   | 0.03     |
| 80 T | Naphthalene,2-methyl-     | 0.149 | 0.506 | -239.6# | 341#  | 0.03     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.431 | 0.507 | -17.6   | 113   | 0.04     |

(#) = Out of Range

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