

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL102323\  
 Data File : VL040792.D  
 Acq On : 24 Oct 2023 11:29  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Oct 24 16:13:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101123AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Oct 24 16:11:15 2023  
 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   | 78    | -0.02    |
| 2 T  | Dichlorodifluoromethane     | 1.761 | 2.013 | -14.3 | 94    | -0.02    |
| 3    | Chlorodifluoromethane       | 1.470 | 1.576 | -7.2  | 89    | -0.01    |
| 4    | Chloromethane               | 0.580 | 0.575 | 0.9   | 81    | -0.02    |
| 5 T  | Vinyl Chloride              | 0.600 | 0.579 | 3.5   | 81    | -0.02    |
| 6 T  | Bromomethane                | 0.248 | 0.244 | 1.6   | 79    | -0.02    |
| 7    | Chloroethane                | 0.195 | 0.201 | -3.1  | 81    | -0.02    |
| 8 T  | Dichlorotetrafluoroethane   | 1.335 | 1.447 | -8.4  | 88    | -0.01    |
| 9 T  | Propene                     | 0.546 | 0.553 | -1.3  | 83    | -0.02    |
| 10 T | Heptane                     | 1.371 | 1.403 | -2.3  | 85    | -0.03    |
| 11 T | Trichlorofluoromethane      | 1.359 | 1.523 | -12.1 | 92    | -0.02    |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 0.969 | 1.089 | -12.4 | 90    | -0.02    |
| 13   | Ethanol                     | 0.123 | 0.082 | 33.3# | 58    | -0.02    |
| 14 T | Bromoethene                 | 0.415 | 0.454 | -9.4  | 85    | -0.02    |
| 15 T | Acetone                     | 1.034 | 1.030 | 0.4   | 85    | -0.02    |
| 16 T | 1,3-Butadiene               | 0.542 | 0.562 | -3.7  | 80    | -0.02    |
| 17   | tert-Butyl alcohol          | 1.060 | 0.806 | 24.0  | 56    | -0.02    |
| 18 T | 1,1-Dichloroethene          | 0.434 | 0.469 | -8.1  | 87    | -0.02    |
| 19 T | Isopropyl Alcohol           | 0.665 | 0.545 | 18.0  | 63    | -0.02    |
| 20 T | Methylene Chloride          | 0.431 | 0.373 | 13.5  | 83    | -0.02    |
| 21 T | Allyl Chloride              | 0.682 | 0.701 | -2.8  | 78    | -0.02    |
| 22 T | trans-1,2-Dichloroethene    | 0.462 | 0.504 | -9.1  | 87    | -0.02    |
| 23 T | Vinyl Acetate               | 1.317 | 1.173 | 10.9  | 73    | -0.02    |
| 24 T | 1,1-Dichloroethane          | 0.994 | 1.004 | -1.0  | 83    | -0.02    |
| 25 T | Ethyl Acetate               | 2.265 | 2.319 | -2.4  | 85    | -0.03    |
| 26 T | Hexane                      | 1.035 | 1.004 | 3.0   | 83    | -0.03    |
| 27 T | Carbon Disulfide            | 1.142 | 1.240 | -8.6  | 85    | -0.02    |
| 28 T | Methyl tert-Butyl Ether     | 0.805 | 0.745 | 7.5   | 76    | -0.02    |
| 29 T | Chloroform                  | 1.498 | 1.671 | -11.5 | 93    | -0.03    |
| 30 T | Cyclohexane                 | 0.881 | 0.883 | -0.2  | 83    | -0.02    |
| 31 T | cis-1,2-Dichloroethene      | 0.954 | 1.063 | -11.4 | 90    | -0.02    |
| 32 T | 1,1,1-Trichloroethane       | 1.594 | 1.674 | -5.0  | 89    | -0.03    |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 80    | -0.03    |
| 34 T | 2-Butanone                  | 0.453 | 0.524 | -15.7 | 108   | -0.02    |
| 35 T | Carbon Tetrachloride        | 0.561 | 0.645 | -15.0 | 92    | -0.03    |
| 36 T | Benzene                     | 0.769 | 0.803 | -4.4  | 85    | -0.03    |
| 37 T | 1,2-Dichloroethane          | 0.394 | 0.461 | -17.0 | 92    | -0.03    |
| 38 T | Trichloroethene             | 0.340 | 0.319 | 6.2   | 86    | -0.03    |
| 39 T | 1,2-Dichloropropane         | 0.301 | 0.315 | -4.7  | 84    | -0.03    |
| 40 T | 1,4-Dioxane                 | 0.114 | 0.106 | 7.0   | 74    | -0.03    |
| 41 T | Tetrahydrofuran             | 0.313 | 0.324 | -3.5  | 81    | -0.03    |
| 42 T | Bromodichloromethane        | 0.590 | 0.682 | -15.6 | 92    | -0.03    |
| 43   | Methyl Methacrylate         | 0.308 | 0.326 | -5.8  | 83    | -0.03    |
| 44 T | 2,2,4-Trimethylpentane      | 1.301 | 1.308 | -0.5  | 84    | -0.03    |
| 45 T | t-1,3-Dichloropropene       | 0.246 | 0.246 | 0.0   | 72    | -0.03    |
| 46 T | cis-1,3-Dichloropropene     | 0.300 | 0.287 | 4.3   | 73    | -0.03    |
| 47 T | 1,1,2-Trichloroethane       | 0.316 | 0.337 | -6.6  | 87    | -0.03    |
| 48 T | Dibromochloromethane        | 0.529 | 0.598 | -13.0 | 88    | -0.03    |

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

|      | Compound                  | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|---------------------------|-------|-------|-------|-------|----------|
| 49 T | Bromoform                 | 0.430 | 0.475 | -10.5 | 82    | -0.03    |
| 50 T | 4-Methyl-2-Pentanone      | 0.774 | 0.830 | -7.2  | 85    | -0.03    |
| 51 T | 2-Hexanone                | 0.589 | 0.625 | -6.1  | 83    | -0.03    |
| 52 T | Tetrachloroethene         | 0.312 | 0.288 | 7.7   | 81    | -0.03    |
| 53 T | Toluene                   | 0.915 | 0.937 | -2.4  | 85    | -0.03    |
| 54 T | 1,2-Dibromoethane         | 0.443 | 0.488 | -10.2 | 87    | -0.03    |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0   | 77    | -0.04    |
| 56   | 1,1,1,2-Tetrachloroethane | 0.408 | 0.426 | -4.4  | 87    | -0.04    |
| 57 T | Chlorobenzene             | 0.716 | 0.730 | -2.0  | 87    | -0.04    |
| 58 T | Ethyl Benzene             | 1.259 | 1.267 | -0.6  | 87    | -0.03    |
| 59 T | m/p-Xylene                | 1.036 | 1.052 | -1.5  | 88    | -0.03    |
| 60 T | o-Xylene                  | 0.987 | 0.996 | -0.9  | 87    | -0.04    |
| 61 T | Styrene                   | 0.547 | 0.555 | -1.5  | 82    | -0.03    |
| 62   | Isopropylbenzene          | 1.519 | 1.490 | 1.9   | 86    | -0.03    |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.740 | 0.711 | 3.9   | 89    | -0.04    |
| 64   | n-propylbenzene           | 0.408 | 0.403 | 1.2   | 84    | -0.03    |
| 65   | tert-Butylbenzene         | 1.370 | 1.310 | 4.4   | 86    | -0.03    |
| 66 T | Benzyl Chloride           | 0.138 | 0.074 | 46.4# | 36    | -0.03    |
| 67   | sec-Butylbenzene          | 1.876 | 1.847 | 1.5   | 87    | -0.04    |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.736 | 0.746 | -1.4  | 81    | -0.04    |
| 69   | p-Isopropyltoluene        | 1.572 | 1.522 | 3.2   | 85    | -0.03    |
| 70   | n-Butylbenzene            | 1.543 | 1.575 | -2.1  | 88    | -0.04    |
| 71   | 2-Chlorotoluene           | 1.141 | 1.159 | -1.6  | 88    | -0.04    |
| 72 T | 4-Ethyltoluene            | 1.156 | 1.189 | -2.9  | 84    | -0.03    |
| 73 T | 1,3,5-Trimethylbenzene    | 1.018 | 1.032 | -1.4  | 85    | -0.03    |
| 74 T | 1,2,4-Trimethylbenzene    | 1.112 | 1.111 | 0.1   | 87    | -0.04    |
| 75 T | 1,3-Dichlorobenzene       | 0.692 | 0.666 | 3.8   | 82    | -0.04    |
| 76 T | 1,4-Dichlorobenzene       | 0.685 | 0.650 | 5.1   | 81    | -0.04    |
| 77 T | 1,2-Dichlorobenzene       | 0.679 | 0.644 | 5.2   | 81    | -0.04    |
| 78 T | Hexachloro-1,3-Butadiene  | 0.486 | 0.393 | 19.1  | 77    | -0.04    |
| 79 T | Naphthalene               | 0.904 | 0.930 | -2.9  | 78    | -0.04    |
| 80 T | Naphthalene,2-methyl-     | 0.254 | 0.230 | 9.4   | 57    | -0.03    |
| 81 T | 1,2,4-Trichlorobenzene    | 0.491 | 0.471 | 4.1   | 78    | -0.04    |

(#) = Out of Range

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