

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL072120\  
 Data File : VL035209.D  
 Acq On : 21 Jul 2020 10:16  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Jul 22 08:39:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 08 07:05:23 2020  
 QLast Update : Wed Jul 08 07:05:23 2020  
 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.401 | 1.083 | 22.7  | 83    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.105 | 1.009 | 8.7   | 97    | 0.00     |
| 4    | Chloromethane               | 0.623 | 0.572 | 8.2   | 98    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.665 | 0.598 | 10.1  | 100   | 0.00     |
| 6 T  | Bromomethane                | 0.378 | 0.363 | 4.0   | 96    | 0.00     |
| 7    | Chloroethane                | 0.235 | 0.227 | 3.4   | 98    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.536 | 1.378 | 10.3  | 97    | 0.00     |
| 9 T  | Propene                     | 0.417 | 0.395 | 5.3   | 93    | 0.00     |
| 10 T | Heptane                     | 1.072 | 1.165 | -8.7  | 98    | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.583 | 1.498 | 5.4   | 100   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.111 | 1.043 | 6.1   | 98    | 0.00     |
| 13   | Ethanol                     | 0.133 | 0.107 | 19.5  | 118   | 0.00     |
| 14 T | Bromoethene                 | 0.457 | 0.455 | 0.4   | 99    | 0.00     |
| 15 T | Acetone                     | 1.354 | 1.118 | 17.4  | 99    | 0.00     |
| 16 T | 1,3-Butadiene               | 0.520 | 0.532 | -2.3  | 99    | 0.00     |
| 17   | tert-Butyl alcohol          | 1.198 | 1.238 | -3.3  | 105   | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.492 | 0.479 | 2.6   | 97    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.817 | 0.835 | -2.2  | 109   | 0.00     |
| 20 T | Methylene Chloride          | 0.589 | 0.458 | 22.2  | 106   | 0.00     |
| 21 T | Allyl Chloride              | 0.788 | 0.777 | 1.4   | 99    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.491 | 0.482 | 1.8   | 99    | 0.00     |
| 23 T | Vinyl Acetate               | 1.465 | 1.465 | 0.0   | 95    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.259 | 1.193 | 5.2   | 97    | 0.00     |
| 25 T | Ethyl Acetate               | 2.101 | 2.054 | 2.2   | 98    | 0.00     |
| 26 T | Hexane                      | 0.926 | 0.927 | -0.1  | 99    | 0.00     |
| 27 T | Carbon Disulfide            | 1.294 | 1.287 | 0.5   | 97    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.411 | 1.412 | -0.1  | 97    | 0.00     |
| 29 T | Chloroform                  | 1.553 | 1.480 | 4.7   | 99    | 0.00     |
| 30 T | Cyclohexane                 | 0.685 | 0.750 | -9.5  | 94    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 0.876 | 0.892 | -1.8  | 95    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.556 | 1.476 | 5.1   | 99    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 34 T | 2-Butanone                  | 0.534 | 0.522 | 2.2   | 96    | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.649 | 0.647 | 0.3   | 100   | 0.00     |
| 36 T | Benzene                     | 0.724 | 0.747 | -3.2  | 96    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.486 | 0.485 | 0.2   | 100   | 0.00     |
| 38 T | Trichloroethene             | 0.295 | 0.312 | -5.8  | 99    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.288 | 0.296 | -2.8  | 99    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.115 | 0.119 | -3.5  | 97    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.267 | 0.288 | -7.9  | 95    | 0.00     |
| 42 T | Bromodichloromethane        | 0.649 | 0.666 | -2.6  | 98    | 0.00     |
| 43   | Methyl Methacrylate         | 0.306 | 0.350 | -14.4 | 98    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.249 | 1.317 | -5.4  | 98    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.321 | 0.392 | -22.1 | 97    | 0.00     |

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|      | Compound                  | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|---------------------------|-------|-------|--------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 0.381 | 0.461 | -21.0  | 98    | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 0.315 | 0.327 | -3.8   | 99    | 0.00     |
| 48 T | Dibromochloromethane      | 0.513 | 0.565 | -10.1  | 99    | 0.00     |
| 49 T | Bromoform                 | 0.448 | 0.497 | -10.9  | 98    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 0.766 | 0.818 | -6.8   | 96    | 0.00     |
| 51 T | 2-Hexanone                | 0.584 | 0.653 | -11.8  | 95    | 0.00     |
| 52 T | Tetrachloroethene         | 0.270 | 0.276 | -2.2   | 98    | 0.00     |
| 53 T | Toluene                   | 0.764 | 0.892 | -16.8  | 98    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.468 | 0.494 | -5.6   | 97    | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.443 | 0.429 | 3.2    | 99    | 0.00     |
| 57 T | Chlorobenzene             | 0.737 | 0.703 | 4.6    | 100   | 0.00     |
| 58 T | Ethyl Benzene             | 1.105 | 1.207 | -9.2   | 98    | 0.00     |
| 59 T | m/p-Xylene                | 0.985 | 1.014 | -2.9   | 99    | 0.00     |
| 60 T | o-Xylene                  | 0.983 | 1.022 | -4.0   | 99    | 0.00     |
| 61 T | Styrene                   | 0.607 | 0.711 | -17.1  | 97    | 0.00     |
| 62   | Isopropylbenzene          | 1.457 | 1.499 | -2.9   | 99    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.821 | 0.734 | 10.6   | 100   | 0.00     |
| 64   | n-propylbenzene           | 0.376 | 0.398 | -5.9   | 98    | 0.00     |
| 65   | tert-Butylbenzene         | 1.308 | 1.323 | -1.1   | 98    | 0.00     |
| 66 T | Benzyl Chloride           | 0.466 | 0.535 | -14.8  | 98    | 0.00     |
| 67   | sec-Butylbenzene          | 1.907 | 1.908 | -0.1   | 98    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.812 | 0.774 | 4.7    | 92    | 0.00     |
| 69   | p-Isopropyltoluene        | 1.495 | 1.566 | -4.7   | 98    | 0.00     |
| 70   | n-Butylbenzene            | 1.585 | 1.629 | -2.8   | 98    | 0.00     |
| 71   | 2-Chlorotoluene           | 1.102 | 1.145 | -3.9   | 97    | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.107 | 1.198 | -8.2   | 98    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.068 | 1.119 | -4.8   | 97    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.180 | 1.180 | 0.0    | 98    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.747 | 0.679 | 9.1    | 99    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 0.695 | 0.672 | 3.3    | 96    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.673 | 0.646 | 4.0    | 98    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.532 | 0.469 | 11.8   | 97    | 0.00     |
| 79 T | Naphthalene               | 0.764 | 0.974 | -27.5  | 98    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 0.180 | 0.359 | -99.4# | 96    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.484 | 0.548 | -13.2  | 99    | 0.00     |

(#) = Out of Range

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