

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\  
 Data File : VL036726.D  
 Acq On : 7 Apr 2021 13:20  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 08 02:52:45 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021  
 QLast Update : Thu Mar 25 09:42:40 2021  
 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  | 86    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.631 | 1.491 | 8.6  | 84    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.868 | 1.788 | 4.3  | 91    | 0.00     |
| 4    | Chloromethane               | 0.660 | 0.624 | 5.5  | 87    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.679 | 0.603 | 11.2 | 82    | 0.00     |
| 6 T  | Bromomethane                | 0.374 | 0.333 | 11.0 | 81    | 0.00     |
| 7    | Chloroethane                | 0.233 | 0.212 | 9.0  | 87    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.557 | 1.457 | 6.4  | 87    | 0.00     |
| 9 T  | Propene                     | 0.596 | 0.582 | 2.3  | 88    | 0.00     |
| 10 T | Heptane                     | 1.517 | 1.502 | 1.0  | 87    | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.662 | 1.474 | 11.3 | 83    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.063 | 0.977 | 8.1  | 83    | 0.00     |
| 13   | Ethanol                     | 0.071 | 0.070 | 1.4  | 86    | 0.00     |
| 14 T | Bromoethene                 | 0.442 | 0.427 | 3.4  | 86    | 0.00     |
| 15 T | Acetone                     | 0.984 | 0.843 | 14.3 | 85    | 0.00     |
| 16 T | 1,3-Butadiene               | 0.685 | 0.631 | 7.9  | 83    | 0.00     |
| 17   | tert-Butyl alcohol          | 0.857 | 0.894 | -4.3 | 93    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.473 | 0.421 | 11.0 | 81    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.541 | 0.519 | 4.1  | 87    | 0.00     |
| 20 T | Methylene Chloride          | 0.461 | 0.383 | 16.9 | 83    | 0.00     |
| 21 T | Allyl Chloride              | 0.785 | 0.747 | 4.8  | 83    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.438 | 0.423 | 3.4  | 85    | 0.00     |
| 23 T | Vinyl Acetate               | 1.684 | 1.694 | -0.6 | 87    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.227 | 1.116 | 9.0  | 82    | 0.00     |
| 25 T | Ethyl Acetate               | 2.340 | 2.294 | 2.0  | 89    | 0.00     |
| 26 T | Hexane                      | 1.086 | 1.060 | 2.4  | 88    | 0.00     |
| 27 T | Carbon Disulfide            | 1.070 | 1.039 | 2.9  | 82    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.281 | 1.229 | 4.1  | 83    | 0.00     |
| 29 T | Chloroform                  | 1.737 | 1.694 | 2.5  | 90    | 0.00     |
| 30 T | Cyclohexane                 | 0.881 | 0.886 | -0.6 | 87    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 1.050 | 1.048 | 0.2  | 86    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.750 | 1.710 | 2.3  | 90    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0  | 89    | 0.00     |
| 34 T | 2-Butanone                  | 0.488 | 0.446 | 8.6  | 85    | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.768 | 0.701 | 8.7  | 91    | 0.00     |
| 36 T | Benzene                     | 0.922 | 0.878 | 4.8  | 90    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.543 | 0.508 | 6.4  | 89    | 0.00     |
| 38 T | Trichloroethene             | 0.359 | 0.323 | 10.0 | 93    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.374 | 0.344 | 8.0  | 88    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.087 | 0.085 | 2.3  | 96    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.225 | 0.207 | 8.0  | 80    | 0.00     |
| 42 T | Bromodichloromethane        | 0.738 | 0.710 | 3.8  | 89    | 0.00     |
| 43   | Methyl Methacrylate         | 0.310 | 0.315 | -1.6 | 87    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.623 | 1.479 | 8.9  | 91    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.354 | 0.369 | -4.2 | 85    | 0.00     |

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

|      | Compound                  | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|---------------------------|-------|-------|-------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 0.452 | 0.464 | -2.7  | 87    | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 0.379 | 0.357 | 5.8   | 91    | 0.00     |
| 48 T | Dibromochloromethane      | 0.578 | 0.584 | -1.0  | 89    | 0.00     |
| 49 T | Bromoform                 | 0.465 | 0.480 | -3.2  | 89    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 0.706 | 0.689 | 2.4   | 87    | 0.00     |
| 51 T | 2-Hexanone                | 0.356 | 0.364 | -2.2  | 82    | 0.00     |
| 52 T | Tetrachloroethene         | 0.340 | 0.299 | 12.1  | 89    | 0.00     |
| 53 T | Toluene                   | 0.982 | 0.985 | -0.3  | 90    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.535 | 0.514 | 3.9   | 90    | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.452 | 0.448 | 0.9   | 92    | 0.00     |
| 57 T | Chlorobenzene             | 0.851 | 0.820 | 3.6   | 93    | 0.00     |
| 58 T | Ethyl Benzene             | 1.455 | 1.480 | -1.7  | 91    | 0.00     |
| 59 T | m/p-Xylene                | 1.269 | 1.256 | 1.0   | 92    | 0.00     |
| 60 T | o-Xylene                  | 1.227 | 1.188 | 3.2   | 92    | 0.00     |
| 61 T | Styrene                   | 0.617 | 0.698 | -13.1 | 90    | 0.00     |
| 62   | Isopropylbenzene          | 1.652 | 1.610 | 2.5   | 92    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.936 | 0.865 | 7.6   | 95    | 0.00     |
| 64   | n-propylbenzene           | 0.404 | 0.424 | -5.0  | 94    | 0.00     |
| 65   | tert-Butylbenzene         | 1.433 | 1.397 | 2.5   | 93    | 0.00     |
| 66 T | Benzyl Chloride           | 0.158 | 0.167 | -5.7  | 86    | 0.00     |
| 67   | sec-Butylbenzene          | 2.022 | 1.968 | 2.7   | 94    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.797 | 0.823 | -3.3  | 87    | 0.00     |
| 69   | p-Isopropyltoluene        | 1.579 | 1.636 | -3.6  | 95    | 0.00     |
| 70   | n-Butylbenzene            | 1.638 | 1.681 | -2.6  | 95    | 0.00     |
| 71   | 2-Chlorotoluene           | 1.238 | 1.250 | -1.0  | 93    | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.344 | 1.405 | -4.5  | 94    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.255 | 1.283 | -2.2  | 94    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.343 | 1.317 | 1.9   | 95    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.756 | 0.763 | -0.9  | 96    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 0.750 | 0.735 | 2.0   | 94    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.710 | 0.742 | -4.5  | 99    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.636 | 0.542 | 14.8  | 92    | 0.00     |
| 79 T | Naphthalene               | 0.784 | 0.879 | -12.1 | 84    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 0.155 | 0.176 | -13.5 | 64    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.484 | 0.513 | -6.0  | 89    | 0.00     |

(#) = Out of Range

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