

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\  
 Data File : VL036724.D  
 Acq On : 7 Apr 2021 11:02  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 08 01:54:32 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  | 76    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.631 | 1.546 | 5.2  | 77    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.868 | 1.917 | -2.6 | 86    | 0.00     |
| 4    | Chloromethane               | 0.660 | 0.624 | 5.5  | 77    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.679 | 0.606 | 10.8 | 73    | 0.00     |
| 6 T  | Bromomethane                | 0.374 | 0.329 | 12.0 | 71    | 0.00     |
| 7    | Chloroethane                | 0.233 | 0.215 | 7.7  | 78    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.557 | 1.480 | 4.9  | 78    | 0.00     |
| 9 T  | Propene                     | 0.596 | 0.571 | 4.2  | 76    | 0.00     |
| 10 T | Heptane                     | 1.517 | 1.500 | 1.1  | 77    | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.662 | 1.498 | 9.9  | 74    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.063 | 0.981 | 7.7  | 74    | 0.00     |
| 13   | Ethanol                     | 0.071 | 0.067 | 5.6  | 73    | 0.00     |
| 14 T | Bromoethene                 | 0.442 | 0.402 | 9.0  | 71    | 0.00     |
| 15 T | Acetone                     | 0.984 | 0.869 | 11.7 | 77    | 0.00     |
| 16 T | 1,3-Butadiene               | 0.685 | 0.660 | 3.6  | 77    | 0.00     |
| 17   | tert-Butyl alcohol          | 0.857 | 0.865 | -0.9 | 80    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.473 | 0.425 | 10.1 | 72    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.541 | 0.491 | 9.2  | 72    | 0.00     |
| 20 T | Methylene Chloride          | 0.461 | 0.358 | 22.3 | 68    | 0.00     |
| 21 T | Allyl Chloride              | 0.785 | 0.663 | 15.5 | 65    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.438 | 0.420 | 4.1  | 74    | 0.00     |
| 23 T | Vinyl Acetate               | 1.684 | 1.595 | 5.3  | 73    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.227 | 1.131 | 7.8  | 73    | 0.00     |
| 25 T | Ethyl Acetate               | 2.340 | 2.221 | 5.1  | 76    | 0.00     |
| 26 T | Hexane                      | 1.086 | 1.076 | 0.9  | 78    | 0.00     |
| 27 T | Carbon Disulfide            | 1.070 | 1.008 | 5.8  | 70    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.281 | 1.158 | 9.6  | 69    | 0.00     |
| 29 T | Chloroform                  | 1.737 | 1.703 | 2.0  | 80    | 0.00     |
| 30 T | Cyclohexane                 | 0.881 | 0.904 | -2.6 | 78    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 1.050 | 1.027 | 2.2  | 74    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.750 | 1.709 | 2.3  | 79    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0  | 78    | 0.00     |
| 34 T | 2-Butanone                  | 0.488 | 0.419 | 14.1 | 70    | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.768 | 0.697 | 9.2  | 80    | 0.00     |
| 36 T | Benzene                     | 0.922 | 0.885 | 4.0  | 79    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.543 | 0.510 | 6.1  | 78    | 0.00     |
| 38 T | Trichloroethene             | 0.359 | 0.324 | 9.7  | 81    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.374 | 0.343 | 8.3  | 77    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.087 | 0.082 | 5.7  | 81    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.225 | 0.176 | 21.8 | 60    | 0.00     |
| 42 T | Bromodichloromethane        | 0.738 | 0.708 | 4.1  | 78    | 0.00     |
| 43   | Methyl Methacrylate         | 0.310 | 0.329 | -6.1 | 79    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.623 | 1.561 | 3.8  | 84    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.354 | 0.316 | 10.7 | 64    | 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 | 0.409 | 9.5   | 67    | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 0.379 | 0.364 | 4.0   | 81    | 0.00     |
| 48 T | Dibromochloromethane      | 0.578 | 0.588 | -1.7  | 79    | 0.00     |
| 49 T | Bromoform                 | 0.465 | 0.480 | -3.2  | 78    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 0.706 | 0.628 | 11.0  | 69    | 0.00     |
| 51 T | 2-Hexanone                | 0.356 | 0.338 | 5.1   | 67    | 0.00     |
| 52 T | Tetrachloroethene         | 0.340 | 0.304 | 10.6  | 79    | 0.00     |
| 53 T | Toluene                   | 0.982 | 0.998 | -1.6  | 80    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.535 | 0.522 | 2.4   | 80    | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0   | 80    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.452 | 0.449 | 0.7   | 83    | 0.00     |
| 57 T | Chlorobenzene             | 0.851 | 0.807 | 5.2   | 83    | 0.00     |
| 58 T | Ethyl Benzene             | 1.455 | 1.464 | -0.6  | 81    | 0.00     |
| 59 T | m/p-Xylene                | 1.269 | 1.241 | 2.2   | 82    | 0.00     |
| 60 T | o-Xylene                  | 1.227 | 1.169 | 4.7   | 82    | 0.00     |
| 61 T | Styrene                   | 0.617 | 0.651 | -5.5  | 76    | 0.00     |
| 62   | Isopropylbenzene          | 1.652 | 1.637 | 0.9   | 85    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.936 | 0.866 | 7.5   | 87    | 0.00     |
| 64   | n-propylbenzene           | 0.404 | 0.426 | -5.4  | 86    | 0.00     |
| 65   | tert-Butylbenzene         | 1.433 | 1.420 | 0.9   | 86    | 0.00     |
| 66 T | Benzyl Chloride           | 0.158 | 0.107 | 32.3# | 50    | 0.00     |
| 67   | sec-Butylbenzene          | 2.022 | 2.007 | 0.7   | 87    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.797 | 0.848 | -6.4  | 81    | 0.00     |
| 69   | p-Isopropyltoluene        | 1.579 | 1.650 | -4.5  | 87    | 0.00     |
| 70   | n-Butylbenzene            | 1.638 | 1.705 | -4.1  | 87    | 0.00     |
| 71   | 2-Chlorotoluene           | 1.238 | 1.254 | -1.3  | 84    | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.344 | 1.399 | -4.1  | 85    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.255 | 1.254 | 0.1   | 83    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.343 | 1.306 | 2.8   | 85    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.756 | 0.771 | -2.0  | 87    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 0.750 | 0.741 | 1.2   | 86    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.710 | 0.743 | -4.6  | 90    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.636 | 0.586 | 7.9   | 90    | 0.00     |
| 79 T | Naphthalene               | 0.784 | 0.903 | -15.2 | 79    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 0.155 | 0.167 | -7.7  | 55    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.484 | 0.557 | -15.1 | 88    | 0.00     |

(#) = Out of Range

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