

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\  
 Data File : VL037636.D  
 Acq On : 17 Sep 2021 4:31  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Sep 17 10:16:58 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Sep 16 13:42:46 2021  
 QLast Update : Thu Sep 16 13:42:46 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   | 90    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.810 | 1.314 | 27.4  | 61    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.886 | 1.796 | 4.8   | 93    | 0.00     |
| 4    | Chloromethane               | 0.697 | 0.675 | 3.2   | 93    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.655 | 0.680 | -3.8  | 92    | 0.00     |
| 6 T  | Bromomethane                | 0.380 | 0.369 | 2.9   | 89    | 0.00     |
| 7    | Chloroethane                | 0.245 | 0.239 | 2.4   | 98    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.561 | 1.510 | 3.3   | 91    | 0.00     |
| 9 T  | Propene                     | 0.665 | 0.647 | 2.7   | 95    | 0.00     |
| 10 T | Heptane                     | 1.553 | 1.624 | -4.6  | 92    | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.453 | 1.429 | 1.7   | 94    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.072 | 1.042 | 2.8   | 95    | 0.00     |
| 13   | Ethanol                     | 0.065 | 0.065 | 0.0   | 96    | 0.00     |
| 14 T | Bromoethene                 | 0.488 | 0.455 | 6.8   | 89    | 0.00     |
| 15 T | Acetone                     | 1.039 | 0.775 | 25.4  | 87    | 0.00     |
| 16 T | 1,3-Butadiene               | 0.649 | 0.647 | 0.3   | 93    | 0.00     |
| 17   | tert-Butyl alcohol          | 0.881 | 0.957 | -8.6  | 96    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.500 | 0.473 | 5.4   | 94    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.565 | 0.576 | -1.9  | 98    | 0.00     |
| 20 T | Methylene Chloride          | 0.496 | 0.381 | 23.2  | 86    | 0.00     |
| 21 T | Allyl Chloride              | 0.776 | 0.793 | -2.2  | 96    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.503 | 0.482 | 4.2   | 92    | 0.00     |
| 23 T | Vinyl Acetate               | 1.438 | 1.624 | -12.9 | 100   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.030 | 1.035 | -0.5  | 99    | 0.00     |
| 25 T | Ethyl Acetate               | 2.516 | 2.496 | 0.8   | 91    | 0.00     |
| 26 T | Hexane                      | 1.195 | 1.182 | 1.1   | 90    | 0.00     |
| 27 T | Carbon Disulfide            | 1.094 | 1.142 | -4.4  | 92    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.053 | 1.244 | -18.1 | 111   | 0.00     |
| 29 T | Chloroform                  | 1.745 | 1.651 | 5.4   | 89    | 0.00     |
| 30 T | Cyclohexane                 | 1.022 | 0.998 | 2.3   | 91    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 1.085 | 1.137 | -4.8  | 93    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.625 | 1.609 | 1.0   | 91    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 34 T | 2-Butanone                  | 0.406 | 0.376 | 7.4   | 90    | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.566 | 0.567 | -0.2  | 90    | 0.00     |
| 36 T | Benzene                     | 0.834 | 0.842 | -1.0  | 92    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.410 | 0.404 | 1.5   | 90    | 0.00     |
| 38 T | Trichloroethene             | 0.348 | 0.326 | 6.3   | 89    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.319 | 0.322 | -0.9  | 91    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.078 | 0.076 | 2.6   | 83    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.191 | 0.204 | -6.8  | 94    | 0.00     |
| 42 T | Bromodichloromethane        | 0.588 | 0.605 | -2.9  | 90    | 0.00     |
| 43   | Methyl Methacrylate         | 0.277 | 0.301 | -8.7  | 90    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.402 | 1.401 | 0.1   | 92    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.218 | 0.258 | -18.3 | 88    | 0.00     |

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|      | Compound                  | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|---------------------------|-------|-------|--------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 0.294 | 0.341 | -16.0  | 91    | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 0.353 | 0.336 | 4.8    | 88    | 0.00     |
| 48 T | Dibromochloromethane      | 0.493 | 0.515 | -4.5   | 86    | 0.00     |
| 49 T | Bromoform                 | 0.394 | 0.391 | 0.8    | 77    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 0.516 | 0.533 | -3.3   | 90    | 0.00     |
| 51 T | 2-Hexanone                | 0.228 | 0.246 | -7.9   | 88    | 0.00     |
| 52 T | Tetrachloroethene         | 0.320 | 0.307 | 4.1    | 90    | 0.00     |
| 53 T | Toluene                   | 0.927 | 0.955 | -3.0   | 90    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.484 | 0.475 | 1.9    | 87    | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.415 | 0.381 | 8.2    | 85    | 0.00     |
| 57 T | Chlorobenzene             | 0.831 | 0.734 | 11.7   | 84    | 0.00     |
| 58 T | Ethyl Benzene             | 1.327 | 1.300 | 2.0    | 86    | 0.00     |
| 59 T | m/p-Xylene                | 1.157 | 1.088 | 6.0    | 87    | 0.00     |
| 60 T | o-Xylene                  | 1.101 | 1.005 | 8.7    | 85    | 0.00     |
| 61 T | Styrene                   | 0.543 | 0.568 | -4.6   | 83    | 0.00     |
| 62   | Isopropylbenzene          | 1.538 | 1.400 | 9.0    | 86    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.862 | 0.703 | 18.4   | 83    | 0.00     |
| 64   | n-propylbenzene           | 0.397 | 0.365 | 8.1    | 81    | 0.00     |
| 65   | tert-Butylbenzene         | 1.387 | 1.227 | 11.5   | 86    | 0.00     |
| 66 T | Benzyl Chloride           | 0.076 | 0.074 | 2.6    | 84    | 0.00     |
| 67   | sec-Butylbenzene          | 1.882 | 1.716 | 8.8    | 87    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.723 | 0.692 | 4.3    | 82    | 0.00     |
| 69   | p-Isopropyltoluene        | 1.537 | 1.436 | 6.6    | 86    | 0.00     |
| 70   | n-Butylbenzene            | 1.454 | 1.409 | 3.1    | 87    | 0.00     |
| 71   | 2-Chlorotoluene           | 1.102 | 1.015 | 7.9    | 82    | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.264 | 1.203 | 4.8    | 84    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.178 | 1.070 | 9.2    | 83    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.241 | 1.108 | 10.7   | 85    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.771 | 0.680 | 11.8   | 83    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 0.760 | 0.669 | 12.0   | 83    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.731 | 0.655 | 10.4   | 86    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.615 | 0.536 | 12.8   | 97    | 0.00     |
| 79 T | Naphthalene               | 0.762 | 0.957 | -25.6  | 104   | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 0.174 | 0.262 | -50.6# | 104   | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.489 | 0.541 | -10.6  | 99    | 0.00     |

(#) = Out of Range

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