

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\  
 Data File : VL035342.D  
 Acq On : 6 Aug 2020 7:51  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Aug 07 06:34:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Aug 05 13:04:46 2020  
 QLast Update : Wed Aug 05 13:04:46 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.330 | 1.027 | 22.8  | 93    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.142 | 1.020 | 10.7  | 103   | 0.00     |
| 4    | Chloromethane               | 0.646 | 0.578 | 10.5  | 102   | 0.00     |
| 5 T  | Vinyl Chloride              | 0.665 | 0.585 | 12.0  | 103   | 0.00     |
| 6 T  | Bromomethane                | 0.407 | 0.366 | 10.1  | 99    | 0.00     |
| 7    | Chloroethane                | 0.247 | 0.221 | 10.5  | 102   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.572 | 1.362 | 13.4  | 99    | 0.00     |
| 9 T  | Propene                     | 0.407 | 0.391 | 3.9   | 101   | 0.00     |
| 10 T | Heptane                     | 1.039 | 1.130 | -8.8  | 102   | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.723 | 1.480 | 14.1  | 99    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.232 | 1.053 | 14.5  | 100   | 0.00     |
| 13   | Ethanol                     | 0.140 | 0.093 | 33.6# | 97    | 0.00     |
| 14 T | Bromoethene                 | 0.494 | 0.454 | 8.1   | 99    | 0.00     |
| 15 T | Acetone                     | 1.420 | 1.103 | 22.3  | 101   | 0.00     |
| 16 T | 1,3-Butadiene               | 0.547 | 0.529 | 3.3   | 102   | 0.00     |
| 17   | tert-Butyl alcohol          | 1.303 | 1.136 | 12.8  | 98    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.529 | 0.481 | 9.1   | 99    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.900 | 0.738 | 18.0  | 101   | 0.00     |
| 20 T | Methylene Chloride          | 0.579 | 0.443 | 23.5  | 101   | 0.00     |
| 21 T | Allyl Chloride              | 0.814 | 0.778 | 4.4   | 103   | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.513 | 0.468 | 8.8   | 99    | 0.00     |
| 23 T | Vinyl Acetate               | 1.362 | 1.405 | -3.2  | 102   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.280 | 1.172 | 8.4   | 101   | 0.00     |
| 25 T | Ethyl Acetate               | 2.158 | 2.041 | 5.4   | 102   | 0.00     |
| 26 T | Hexane                      | 0.936 | 0.916 | 2.1   | 103   | 0.00     |
| 27 T | Carbon Disulfide            | 1.309 | 1.282 | 2.1   | 102   | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.361 | 1.369 | -0.6  | 100   | 0.00     |
| 29 T | Chloroform                  | 1.614 | 1.466 | 9.2   | 102   | 0.00     |
| 30 T | Cyclohexane                 | 0.710 | 0.757 | -6.6  | 101   | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 0.832 | 0.879 | -5.6  | 101   | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.696 | 1.448 | 14.6  | 101   | -0.01    |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 34 T | 2-Butanone                  | 0.492 | 0.507 | -3.0  | 103   | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.688 | 0.625 | 9.2   | 101   | 0.00     |
| 36 T | Benzene                     | 0.675 | 0.715 | -5.9  | 102   | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.472 | 0.451 | 4.4   | 101   | 0.00     |
| 38 T | Trichloroethene             | 0.311 | 0.312 | -0.3  | 100   | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.273 | 0.275 | -0.7  | 102   | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.117 | 0.115 | 1.7   | 98    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.242 | 0.272 | -12.4 | 103   | 0.00     |
| 42 T | Bromodichloromethane        | 0.634 | 0.631 | 0.5   | 101   | 0.00     |
| 43   | Methyl Methacrylate         | 0.284 | 0.323 | -13.7 | 102   | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.200 | 1.239 | -3.3  | 102   | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.295 | 0.370 | -25.4 | 102   | 0.00     |

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

|      | Compound                  | AvqRF | CCRF  | %Dev    | Area% | Dev(min) |
|------|---------------------------|-------|-------|---------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 0.356 | 0.431 | -21.1   | 101   | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 0.329 | 0.322 | 2.1     | 103   | 0.00     |
| 48 T | Dibromochloromethane      | 0.538 | 0.560 | -4.1    | 102   | 0.00     |
| 49 T | Bromoform                 | 0.491 | 0.523 | -6.5    | 102   | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 0.752 | 0.777 | -3.3    | 101   | -0.01    |
| 51 T | 2-Hexanone                | 0.589 | 0.647 | -9.8    | 103   | 0.00     |
| 52 T | Tetrachloroethene         | 0.268 | 0.276 | -3.0    | 102   | 0.00     |
| 53 T | Toluene                   | 0.735 | 0.857 | -16.6   | 101   | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.472 | 0.491 | -4.0    | 103   | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0     | 99    | -0.01    |
| 56   | 1,1,1,2-Tetrachloroethane | 0.472 | 0.443 | 6.1     | 102   | 0.00     |
| 57 T | Chlorobenzene             | 0.753 | 0.716 | 4.9     | 104   | 0.00     |
| 58 T | Ethyl Benzene             | 1.041 | 1.173 | -12.7   | 101   | 0.00     |
| 59 T | m/p-Xylene                | 0.969 | 0.995 | -2.7    | 101   | -0.01    |
| 60 T | o-Xylene                  | 0.962 | 1.013 | -5.3    | 102   | 0.00     |
| 61 T | Styrene                   | 0.587 | 0.727 | -23.9   | 102   | 0.00     |
| 62   | Isopropylbenzene          | 1.448 | 1.492 | -3.0    | 101   | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.820 | 0.735 | 10.4    | 101   | 0.00     |
| 64   | n-propylbenzene           | 0.389 | 0.414 | -6.4    | 102   | 0.00     |
| 65   | tert-Butylbenzene         | 1.326 | 1.374 | -3.6    | 101   | 0.00     |
| 66 T | Benzyl Chloride           | 0.525 | 0.566 | -7.8    | 102   | 0.00     |
| 67   | sec-Butylbenzene          | 1.875 | 1.898 | -1.2    | 101   | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.834 | 0.818 | 1.9     | 100   | 0.00     |
| 69   | p-Isopropyltoluene        | 1.529 | 1.630 | -6.6    | 101   | -0.01    |
| 70   | n-Butylbenzene            | 1.635 | 1.667 | -2.0    | 100   | 0.00     |
| 71   | 2-Chlorotoluene           | 1.061 | 1.169 | -10.2   | 102   | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.096 | 1.209 | -10.3   | 100   | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.052 | 1.145 | -8.8    | 101   | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.202 | 1.214 | -1.0    | 101   | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.786 | 0.730 | 7.1     | 101   | -0.01    |
| 76 T | 1,4-Dichlorobenzene       | 0.728 | 0.721 | 1.0     | 100   | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.726 | 0.695 | 4.3     | 99    | -0.01    |
| 78 T | Hexachloro-1,3-Butadiene  | 0.618 | 0.570 | 7.8     | 104   | 0.00     |
| 79 T | Naphthalene               | 0.925 | 1.166 | -26.1   | 102   | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 0.210 | 0.440 | -109.5# | 107   | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.583 | 0.647 | -11.0   | 101   | 0.00     |

(#) = Out of Range

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