

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL110420\  
 Data File : VL035828.D  
 Acq On : 4 Nov 2020 9:00  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Nov 05 03:22:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 04 02:40:06 2020  
 QLast Update : Wed Nov 04 02:40:06 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  | 86    | -0.03    |
| 2 T  | Dichlorodifluoromethane     | 1.883 | 1.724 | 8.4  | 95    | -0.02    |
| 3    | Chlorodifluoromethane       | 1.198 | 1.113 | 7.1  | 91    | -0.02    |
| 4    | Chloromethane               | 0.582 | 0.541 | 7.0  | 88    | -0.02    |
| 5 T  | Vinyl Chloride              | 0.742 | 0.707 | 4.7  | 94    | -0.02    |
| 6 T  | Bromomethane                | 0.596 | 0.617 | -3.5 | 99    | -0.03    |
| 7    | Chloroethane                | 0.261 | 0.263 | -0.8 | 95    | -0.03    |
| 8 T  | Dichlorotetrafluoroethane   | 2.155 | 2.132 | 1.1  | 99    | -0.02    |
| 9 T  | Propene                     | 0.438 | 0.416 | 5.0  | 89    | -0.02    |
| 10 T | Heptane                     | 1.211 | 1.153 | 4.8  | 90    | -0.04    |
| 11 T | Trichlorofluoromethane      | 2.364 | 2.339 | 1.1  | 95    | -0.03    |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.760 | 1.763 | -0.2 | 95    | -0.03    |
| 13   | Ethanol                     | 0.095 | 0.067 | 29.5 | 79    | -0.02    |
| 14 T | Bromoethene                 | 0.810 | 0.823 | -1.6 | 100   | -0.03    |
| 15 T | Acetone                     | 1.069 | 0.931 | 12.9 | 92    | -0.03    |
| 16 T | 1,3-Butadiene               | 0.460 | 0.427 | 7.2  | 90    | -0.02    |
| 17   | tert-Butyl alcohol          | 1.417 | 1.339 | 5.5  | 92    | -0.03    |
| 18 T | 1,1-Dichloroethene          | 0.808 | 0.827 | -2.4 | 98    | -0.03    |
| 19 T | Isopropyl Alcohol           | 0.657 | 0.539 | 18.0 | 81    | -0.03    |
| 20 T | Methylene Chloride          | 0.753 | 0.678 | 10.0 | 98    | -0.03    |
| 21 T | Allyl Chloride              | 0.578 | 0.578 | 0.0  | 92    | -0.03    |
| 22 T | trans-1,2-Dichloroethene    | 0.819 | 0.851 | -3.9 | 97    | -0.03    |
| 23 T | Vinyl Acetate               | 1.499 | 1.390 | 7.3  | 91    | -0.03    |
| 24 T | 1,1-Dichloroethane          | 1.428 | 1.378 | 3.5  | 94    | -0.03    |
| 25 T | Ethyl Acetate               | 2.106 | 1.982 | 5.9  | 91    | -0.03    |
| 26 T | Hexane                      | 1.162 | 1.101 | 5.2  | 94    | -0.03    |
| 27 T | Carbon Disulfide            | 1.740 | 1.772 | -1.8 | 93    | -0.03    |
| 28 T | Methyl tert-Butyl Ether     | 2.086 | 2.053 | 1.6  | 100   | -0.03    |
| 29 T | Chloroform                  | 2.283 | 2.263 | 0.9  | 97    | -0.03    |
| 30 T | Cyclohexane                 | 1.265 | 1.252 | 1.0  | 99    | -0.04    |
| 31 T | cis-1,2-Dichloroethene      | 1.195 | 1.184 | 0.9  | 95    | -0.03    |
| 32 T | 1,1,1-Trichloroethane       | 2.382 | 2.286 | 4.0  | 99    | -0.03    |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0  | 100   | -0.03    |
| 34 T | 2-Butanone                  | 0.325 | 0.276 | 15.1 | 90    | -0.03    |
| 35 T | Carbon Tetrachloride        | 0.534 | 0.503 | 5.8  | 99    | -0.03    |
| 36 T | Benzene                     | 0.743 | 0.656 | 11.7 | 100   | -0.04    |
| 37 T | 1,2-Dichloroethane          | 0.337 | 0.309 | 8.3  | 96    | -0.03    |
| 38 T | Trichloroethene             | 0.363 | 0.315 | 13.2 | 103   | -0.04    |
| 39 T | 1,2-Dichloropropane         | 0.250 | 0.213 | 14.8 | 95    | -0.04    |
| 40 T | 1,4-Dioxane                 | 0.119 | 0.095 | 20.2 | 89    | -0.03    |
| 41 T | Tetrahydrofuran             | 0.184 | 0.164 | 10.9 | 90    | -0.03    |
| 42 T | Bromodichloromethane        | 0.568 | 0.518 | 8.8  | 95    | -0.04    |
| 43   | Methyl Methacrylate         | 0.284 | 0.261 | 8.1  | 97    | -0.04    |
| 44 T | 2,2,4-Trimethylpentane      | 0.984 | 0.817 | 17.0 | 93    | -0.03    |
| 45 T | t-1,3-Dichloropropene       | 0.301 | 0.296 | 1.7  | 99    | -0.04    |

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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   | 0.381 | 0.358 | 6.0   | 99    | -0.03    |
| 47 T | 1,1,2-Trichloroethane     | 0.341 | 0.305 | 10.6  | 100   | -0.04    |
| 48 T | Dibromochloromethane      | 0.521 | 0.504 | 3.3   | 100   | -0.04    |
| 49 T | Bromoform                 | 0.440 | 0.431 | 2.0   | 100   | -0.04    |
| 50 T | 4-Methyl-2-Pentanone      | 0.496 | 0.422 | 14.9  | 89    | -0.03    |
| 51 T | 2-Hexanone                | 0.399 | 0.351 | 12.0  | 91    | -0.04    |
| 52 T | Tetrachloroethene         | 0.352 | 0.301 | 14.5  | 104   | -0.04    |
| 53 T | Toluene                   | 0.897 | 0.806 | 10.1  | 102   | -0.04    |
| 54 T | 1,2-Dibromoethane         | 0.519 | 0.475 | 8.5   | 102   | -0.04    |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0   | 107   | -0.04    |
| 56   | 1,1,1,2-Tetrachloroethane | 0.449 | 0.398 | 11.4  | 102   | -0.04    |
| 57 T | Chlorobenzene             | 0.795 | 0.659 | 17.1  | 103   | -0.04    |
| 58 T | Ethyl Benzene             | 1.218 | 1.042 | 14.4  | 102   | -0.04    |
| 59 T | m/p-Xylene                | 1.030 | 0.861 | 16.4  | 100   | -0.04    |
| 60 T | o-Xylene                  | 1.002 | 0.831 | 17.1  | 100   | -0.04    |
| 61 T | Styrene                   | 0.734 | 0.666 | 9.3   | 103   | -0.04    |
| 62   | Isopropylbenzene          | 1.576 | 1.287 | 18.3  | 103   | -0.04    |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.777 | 0.572 | 26.4  | 97    | -0.04    |
| 64   | n-propylbenzene           | 0.455 | 0.390 | 14.3  | 105   | -0.05    |
| 65   | tert-Butylbenzene         | 1.434 | 1.149 | 19.9  | 103   | -0.04    |
| 66 T | Benzyl Chloride           | 0.474 | 0.406 | 14.3  | 101   | -0.04    |
| 67   | sec-Butylbenzene          | 1.933 | 1.524 | 21.2  | 102   | -0.04    |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.710 | 0.681 | 4.1   | 99    | -0.04    |
| 69   | p-Isopropyltoluene        | 1.595 | 1.286 | 19.4  | 104   | -0.04    |
| 70   | n-Butylbenzene            | 1.536 | 1.218 | 20.7  | 101   | -0.04    |
| 71   | 2-Chlorotoluene           | 1.152 | 0.953 | 17.3  | 102   | -0.04    |
| 72 T | 4-Ethyltoluene            | 1.216 | 1.028 | 15.5  | 104   | -0.04    |
| 73 T | 1,3,5-Trimethylbenzene    | 1.113 | 0.933 | 16.2  | 103   | -0.04    |
| 74 T | 1,2,4-Trimethylbenzene    | 1.192 | 0.948 | 20.5  | 101   | -0.04    |
| 75 T | 1,3-Dichlorobenzene       | 0.759 | 0.618 | 18.6  | 103   | -0.04    |
| 76 T | 1,4-Dichlorobenzene       | 0.732 | 0.618 | 15.6  | 104   | -0.04    |
| 77 T | 1,2-Dichlorobenzene       | 0.740 | 0.605 | 18.2  | 105   | -0.04    |
| 78 T | Hexachloro-1,3-Butadiene  | 0.345 | 0.276 | 20.0  | 102   | -0.04    |
| 79 T | Naphthalene               | 0.831 | 0.753 | 9.4   | 113   | -0.05    |
| 80 T | Naphthalene,2-methyl-     | 0.135 | 0.158 | -17.0 | 119   | -0.03    |
| 81 T | 1,2,4-Trichlorobenzene    | 0.464 | 0.405 | 12.7  | 111   | -0.05    |

(#) = Out of Range

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