

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL071023\  
 Data File : VL040513.D  
 Acq On : 10 Jul 2023 17:24  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICSVVL071023

Quant Time: Jul 10 18:46:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL071023AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Jul 10 16:32:00 2023  
 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                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 10.000 | 10.000 | 0.0   | 96    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 9.679  | 3.2   | 102   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.252  | 7.5   | 96    | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.156  | 8.4   | 93    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 9.491  | 5.1   | 99    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 9.782  | 2.2   | 102   | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.882  | 1.2   | 101   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.228  | 7.7   | 96    | 0.00     |
| 9 T  | Propene                     | 10.000 | 8.834  | 11.7  | 90    | 0.00     |
| 10 T | Heptane                     | 10.000 | 9.792  | 2.1   | 91    | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 9.619  | 3.8   | 102   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.575  | 4.3   | 100   | 0.00     |
| 13   | Ethanol                     | 10.000 | 8.266  | 17.3  | 94    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 10.064 | -0.6  | 102   | 0.00     |
| 15 T | Acetone                     | 10.000 | 9.048  | 9.5   | 97    | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.782  | 2.2   | 95    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 9.691  | 3.1   | 95    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.671  | 3.3   | 99    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 9.749  | 2.5   | 94    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 8.848  | 11.5  | 102   | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.427  | 5.7   | 94    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 10.085 | -0.9  | 99    | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 10.864 | -8.6  | 101   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.467  | 5.3   | 98    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 9.624  | 3.8   | 94    | 0.00     |
| 26 T | Hexane                      | 10.000 | 9.298  | 7.0   | 92    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 10.501 | -5.0  | 96    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 9.615  | 3.8   | 95    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.639  | 3.6   | 98    | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 9.667  | 3.3   | 94    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.936  | 0.6   | 94    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.879  | 1.2   | 99    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 92    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 10.130 | -1.3  | 94    | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 10.748 | -7.5  | 100   | 0.00     |
| 36 T | Benzene                     | 10.000 | 9.767  | 2.3   | 91    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 10.121 | -1.2  | 101   | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 10.373 | -3.7  | 93    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 9.772  | 2.3   | 91    | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 9.716  | 2.8   | 92    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 10.006 | -0.1  | 91    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 10.295 | -2.9  | 97    | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 10.545 | -5.4  | 91    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 9.729  | 2.7   | 91    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 12.041 | -20.4 | 95    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 11.249 | -12.5 | 93    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 9.741  | 2.6   | 93    | 0.00     |
| 48 T | Dibromochloromethane        | 10.000 | 10.747 | -7.5  | 94    | 0.00     |

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 MSVOA\_L  
 ClientSampleId :  
 ICVVL071023

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Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|       | Compound                  | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|-------|---------------------------|--------|--------|-------|-------|----------|
| ----- |                           |        |        |       |       |          |
| 49 T  | Bromoform                 | 10.000 | 11.152 | -11.5 | 93    | 0.00     |
| 50 T  | 4-Methyl-2-Pentanone      | 10.000 | 10.425 | -4.3  | 93    | 0.00     |
| 51 T  | 2-Hexanone                | 10.000 | 11.024 | -10.2 | 91    | 0.00     |
| 52 T  | Tetrachloroethene         | 10.000 | 10.538 | -5.4  | 89    | 0.00     |
| 53 T  | Toluene                   | 10.000 | 10.349 | -3.5  | 90    | 0.00     |
| 54 T  | 1,2-Dibromoethane         | 10.000 | 10.759 | -7.6  | 93    | 0.00     |
|       |                           |        |        |       |       |          |
| 55 I  | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 93    | 0.00     |
| 56    | 1,1,1,2-Tetrachloroethane | 10.000 | 9.575  | 4.3   | 94    | 0.00     |
| 57 T  | Chlorobenzene             | 10.000 | 9.196  | 8.0   | 90    | 0.00     |
| 58 T  | Ethyl Benzene             | 10.000 | 10.079 | -0.8  | 91    | 0.00     |
| 59 T  | m/p-Xylene                | 20.000 | 19.441 | 2.8   | 93    | 0.00     |
| 60 T  | o-Xylene                  | 10.000 | 9.799  | 2.0   | 94    | 0.00     |
| 61 T  | Styrene                   | 10.000 | 10.931 | -9.3  | 89    | 0.00     |
| 62    | Isopropylbenzene          | 10.000 | 9.613  | 3.9   | 93    | 0.00     |
| 63 T  | 1,1,2,2-Tetrachloroethane | 10.000 | 9.855  | 1.4   | 95    | 0.00     |
| 64    | n-propylbenzene           | 10.000 | 9.635  | 3.7   | 90    | 0.00     |
| 65    | tert-Butylbenzene         | 10.000 | 9.601  | 4.0   | 92    | 0.00     |
| 66 T  | Benzyl Chloride           | 10.000 | 10.623 | -6.2  | 91    | 0.00     |
| 67    | sec-Butylbenzene          | 10.000 | 9.489  | 5.1   | 93    | 0.00     |
| 68 S  | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.680  | 3.2   | 94    | 0.00     |
| 69    | p-Isopropyltoluene        | 10.000 | 9.585  | 4.1   | 91    | 0.00     |
| 70    | n-Butylbenzene            | 10.000 | 9.682  | 3.2   | 94    | 0.00     |
| 71    | 2-Chlorotoluene           | 10.000 | 9.824  | 1.8   | 93    | 0.00     |
| 72 T  | 4-Ethyltoluene            | 10.000 | 10.089 | -0.9  | 92    | 0.00     |
| 73 T  | 1,3,5-Trimethylbenzene    | 10.000 | 9.999  | 0.0   | 93    | 0.00     |
| 74 T  | 1,2,4-Trimethylbenzene    | 10.000 | 9.626  | 3.7   | 94    | 0.00     |
| 75 T  | 1,3-Dichlorobenzene       | 10.000 | 9.303  | 7.0   | 91    | 0.00     |
| 76 T  | 1,4-Dichlorobenzene       | 10.000 | 9.430  | 5.7   | 91    | 0.00     |
| 77 T  | 1,2-Dichlorobenzene       | 10.000 | 9.413  | 5.9   | 90    | 0.00     |
| 78 T  | Hexachloro-1,3-Butadiene  | 10.000 | 8.675  | 13.2  | 90    | 0.00     |
| 79 T  | Naphthalene               | 10.000 | 11.710 | -17.1 | 91    | 0.00     |
| 80 T  | Naphthalene,2-methyl-     | 10.000 | 12.555 | -25.5 | 88    | 0.00     |
| 81 T  | 1,2,4-Trichlorobenzene    | 10.000 | 9.933  | 0.7   | 91    | 0.00     |
| ----- |                           |        |        |       |       |          |

(#) = Out of Range

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