

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101022\  
 Data File : VL039697.D  
 Acq On : 10 Oct 2022 15:02  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Oct 10 15:37:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 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   | 93    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.159 | 0.945  | 18.5  | 92    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.187 | 1.082  | 8.8   | 97    | 0.00     |
| 4    | Chloromethane               | 0.716 | 0.580  | 19.0  | 84    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.597 | 0.553  | 7.4   | 92    | 0.00     |
| 6 T  | Bromomethane                | 0.220 | 0.215  | 2.3   | 99    | 0.00     |
| 7    | Chloroethane                | 0.218 | 0.193  | 11.5  | 86    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.391 | 1.273  | 8.5   | 93    | 0.00     |
| 9 T  | Propene                     | 0.542 | 0.500  | 7.7   | 94    | 0.00     |
| 10 T | Heptane                     | 1.265 | 1.254  | 0.9   | 95    | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.436 | 1.323  | 7.9   | 95    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.084 | 0.994  | 8.3   | 97    | 0.00     |
| 13   | Ethanol                     | 0.041 | 0.035# | 14.6  | 96    | 0.00     |
| 14 T | Bromoethene                 | 0.433 | 0.412  | 4.8   | 94    | 0.00     |
| 15 T | Acetone                     | 1.113 | 0.980  | 11.9  | 94    | 0.00     |
| 16 T | 1,3-Butadiene               | 0.564 | 0.553  | 2.0   | 95    | 0.00     |
| 17   | tert-Butyl alcohol          | 0.999 | 0.943  | 5.6   | 87    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.477 | 0.440  | 7.8   | 93    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.567 | 0.484  | 14.6  | 82    | 0.00     |
| 20 T | Methylene Chloride          | 0.514 | 0.386  | 24.9  | 97    | 0.00     |
| 21 T | Allyl Chloride              | 0.758 | 0.676  | 10.8  | 90    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.472 | 0.433  | 8.3   | 89    | 0.00     |
| 23 T | Vinyl Acetate               | 0.503 | 0.314  | 37.6# | 63    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.002 | 0.943  | 5.9   | 95    | 0.00     |
| 25 T | Ethyl Acetate               | 2.426 | 2.489  | -2.6  | 106   | 0.00     |
| 26 T | Hexane                      | 1.030 | 0.929  | 9.8   | 95    | 0.00     |
| 27 T | Carbon Disulfide            | 1.082 | 1.025  | 5.3   | 85    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 0.865 | 0.791  | 8.6   | 91    | 0.00     |
| 29 T | Chloroform                  | 1.486 | 1.322  | 11.0  | 91    | 0.00     |
| 30 T | Cyclohexane                 | 0.797 | 0.774  | 2.9   | 95    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 0.931 | 0.859  | 7.7   | 89    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.346 | 1.313  | 2.5   | 92    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000  | 0.0   | 93    | 0.00     |
| 34 T | 2-Butanone                  | 0.491 | 0.427  | 13.0  | 94    | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.531 | 0.528  | 0.6   | 94    | 0.00     |
| 36 T | Benzene                     | 0.765 | 0.727  | 5.0   | 93    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.416 | 0.380  | 8.7   | 91    | 0.00     |
| 38 T | Trichloroethene             | 0.413 | 0.328  | 20.6  | 74    | -0.01    |
| 39 T | 1,2-Dichloropropane         | 0.295 | 0.272  | 7.8   | 91    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.121 | 0.105  | 13.2  | 98    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.301 | 0.300  | 0.3   | 91    | 0.00     |
| 42 T | Bromodichloromethane        | 0.579 | 0.562  | 2.9   | 94    | 0.00     |
| 43   | Methyl Methacrylate         | 0.279 | 0.295  | -5.7  | 96    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.318 | 1.235  | 6.3   | 94    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.236 | 0.202  | 14.4  | 68    | -0.01    |
| 46 T | cis-1,3-Dichloropropene     | 0.335 | 0.309  | 7.8   | 77    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 0.323 | 0.301  | 6.8   | 94    | 0.00     |
| 48 T | Dibromochloromethane        | 0.486 | 0.498  | -2.5  | 92    | 0.00     |

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|      | Compound                  | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|---------------------------|-------|-------|--------|-------|----------|
| 49 T | Bromoform                 | 0.402 | 0.424 | -5.5   | 93    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 0.772 | 0.769 | 0.4    | 93    | 0.00     |
| 51 T | 2-Hexanone                | 0.571 | 0.580 | -1.6   | 89    | 0.00     |
| 52 T | Tetrachloroethene         | 0.292 | 0.274 | 6.2    | 94    | -0.01    |
| 53 T | Toluene                   | 0.850 | 0.851 | -0.1   | 92    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.345 | 0.387 | -12.2  | 102   | -0.01    |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0    | 99    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.404 | 0.374 | 7.4    | 99    | -0.01    |
| 57 T | Chlorobenzene             | 0.735 | 0.621 | 15.5   | 92    | -0.01    |
| 58 T | Ethyl Benzene             | 1.153 | 1.104 | 4.2    | 94    | -0.01    |
| 59 T | m/p-Xylene                | 1.026 | 0.924 | 9.9    | 94    | 0.00     |
| 60 T | o-Xylene                  | 0.980 | 0.896 | 8.6    | 94    | -0.01    |
| 61 T | Styrene                   | 0.528 | 0.518 | 1.9    | 90    | -0.02    |
| 62   | Isopropylbenzene          | 1.474 | 1.392 | 5.6    | 101   | -0.02    |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.391 | 0.549 | -40.4# | 152#  | -0.01    |
| 64   | n-propylbenzene           | 0.378 | 0.360 | 4.8    | 100   | 0.00     |
| 65   | tert-Butylbenzene         | 1.303 | 1.239 | 4.9    | 102   | 0.00     |
| 66 T | Benzyl Chloride           | 0.104 | 0.066 | 36.5#  | 60    | -0.02    |
| 67   | sec-Butylbenzene          | 1.827 | 1.748 | 4.3    | 103   | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.747 | 0.697 | 6.7    | 91    | 0.00     |
| 69   | p-Isopropyltoluene        | 1.501 | 1.472 | 1.9    | 104   | -0.01    |
| 70   | n-Butylbenzene            | 1.472 | 1.476 | -0.3   | 106   | -0.01    |
| 71   | 2-Chlorotoluene           | 1.065 | 1.026 | 3.7    | 101   | -0.01    |
| 72 T | 4-Ethyltoluene            | 1.119 | 1.076 | 3.8    | 96    | -0.01    |
| 73 T | 1,3,5-Trimethylbenzene    | 1.024 | 0.977 | 4.6    | 99    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.147 | 1.049 | 8.5    | 98    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.685 | 0.629 | 8.2    | 99    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 0.685 | 0.605 | 11.7   | 100   | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.668 | 0.625 | 6.4    | 102   | -0.01    |
| 78 T | Hexachloro-1,3-Butadiene  | 0.510 | 0.462 | 9.4    | 111   | -0.02    |
| 79 T | Naphthalene               | 0.757 | 0.868 | -14.7  | 103   | -0.01    |
| 80 T | Naphthalene,2-methyl-     | 0.285 | 0.186 | 34.7#  | 64    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.497 | 0.497 | 0.0    | 105   | -0.02    |

(#) = Out of Range

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