

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040424\  
 Data File : VL041127.D  
 Acq On : 4 Apr 2024 14:19  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICSVVL040424

Quant Time: Apr 05 04:53:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL040424AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Apr 05 04:49:46 2024  
 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  | 100   | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 9.105  | 8.9  | 101   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.104  | 9.0  | 103   | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.229  | 7.7  | 104   | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 10.019 | -0.2 | 106   | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 8.299  | 17.0 | 89    | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.379  | 6.2  | 100   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.419  | 5.8  | 103   | 0.00     |
| 9 T  | Propene                     | 10.000 | 9.604  | 4.0  | 107   | 0.00     |
| 10 T | Heptane                     | 10.000 | 10.237 | -2.4 | 104   | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 9.105  | 8.9  | 101   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.187  | 8.1  | 101   | 0.00     |
| 13   | Ethanol                     | 10.000 | 8.820  | 11.8 | 105   | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.805  | 2.0  | 104   | 0.00     |
| 15 T | Acetone                     | 10.000 | 9.591  | 4.1  | 110   | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 9.869  | 1.3  | 102   | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 10.521 | -5.2 | 110   | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.784  | 2.2  | 105   | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 10.633 | -6.3 | 112   | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 8.558  | 14.4 | 100   | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.800  | 2.0  | 103   | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 9.729  | 2.7  | 105   | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 10.738 | -7.4 | 110   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.576  | 4.2  | 104   | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 9.766  | 2.3  | 104   | 0.00     |
| 26 T | Hexane                      | 10.000 | 9.575  | 4.3  | 106   | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 10.496 | -5.0 | 105   | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 10.170 | -1.7 | 107   | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.458  | 5.4  | 103   | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 10.265 | -2.7 | 108   | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.926  | 0.7  | 104   | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 10.324 | -3.2 | 105   | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0  | 104   | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 9.647  | 3.5  | 107   | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 10.233 | -2.3 | 103   | 0.00     |
| 36 T | Benzene                     | 10.000 | 9.810  | 1.9  | 107   | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 9.476  | 5.2  | 103   | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 10.385 | -3.8 | 105   | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 9.587  | 4.1  | 104   | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 10.639 | -6.4 | 116   | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 10.627 | -6.3 | 110   | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 9.836  | 1.6  | 103   | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 10.706 | -7.1 | 106   | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 9.640  | 3.6  | 103   | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 9.791  | 2.1  | 90    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 9.902  | 1.0  | 96    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 9.585  | 4.1  | 104   | 0.00     |
| 48 T | Dibromochloromethane        | 10.000 | 10.526 | -5.3 | 105   | 0.00     |

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 MSVOA\_L  
 ClientSampleId :  
 ICVVL040424

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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 | 10.693 | -6.9   | 105   | 0.00     |
| 50 T  | 4-Methyl-2-Pentanone      | 10.000 | 10.094 | -0.9   | 103   | 0.00     |
| 51 T  | 2-Hexanone                | 10.000 | 10.525 | -5.3   | 103   | 0.00     |
| 52 T  | Tetrachloroethene         | 10.000 | 10.231 | -2.3   | 104   | 0.00     |
| 53 T  | Toluene                   | 10.000 | 10.479 | -4.8   | 104   | 0.00     |
| 54 T  | 1,2-Dibromoethane         | 10.000 | 10.196 | -2.0   | 99    | 0.00     |
|       |                           |        |        |        |       |          |
| 55 I  | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0    | 111   | 0.00     |
| 56    | 1,1,1,2-Tetrachloroethane | 10.000 | 8.916  | 10.8   | 105   | 0.00     |
| 57 T  | Chlorobenzene             | 10.000 | 8.870  | 11.3   | 105   | 0.00     |
| 58 T  | Ethyl Benzene             | 10.000 | 9.669  | 3.3    | 104   | 0.00     |
| 59 T  | m/p-Xylene                | 20.000 | 18.303 | 8.5    | 103   | 0.00     |
| 60 T  | o-Xylene                  | 10.000 | 9.275  | 7.2    | 103   | 0.00     |
| 61 T  | Styrene                   | 10.000 | 10.718 | -7.2   | 106   | 0.00     |
| 62    | Isopropylbenzene          | 10.000 | 9.029  | 9.7    | 104   | 0.00     |
| 63 T  | 1,1,2,2-Tetrachloroethane | 10.000 | 8.909  | 10.9   | 104   | 0.00     |
| 64    | n-propylbenzene           | 10.000 | 9.464  | 5.4    | 104   | 0.00     |
| 65    | tert-Butylbenzene         | 10.000 | 9.289  | 7.1    | 104   | 0.00     |
| 66 T  | Benzyl Chloride           | 10.000 | 7.077  | 29.2   | 72    | 0.00     |
| 67    | sec-Butylbenzene          | 10.000 | 9.079  | 9.2    | 104   | 0.00     |
| 68 S  | 1-Bromo-4-Fluorobenzene   | 10.000 | 9.142  | 8.6    | 102   | 0.00     |
| 69    | p-Isopropyltoluene        | 10.000 | 9.515  | 4.8    | 104   | 0.00     |
| 70    | n-Butylbenzene            | 10.000 | 9.562  | 4.4    | 105   | 0.00     |
| 71    | 2-Chlorotoluene           | 10.000 | 9.309  | 6.9    | 105   | 0.00     |
| 72 T  | 4-Ethyltoluene            | 10.000 | 9.696  | 3.0    | 106   | 0.00     |
| 73 T  | 1,3,5-Trimethylbenzene    | 10.000 | 9.546  | 4.5    | 105   | 0.00     |
| 74 T  | 1,2,4-Trimethylbenzene    | 10.000 | 9.218  | 7.8    | 103   | 0.00     |
| 75 T  | 1,3-Dichlorobenzene       | 10.000 | 9.203  | 8.0    | 104   | 0.00     |
| 76 T  | 1,4-Dichlorobenzene       | 10.000 | 9.323  | 6.8    | 106   | 0.00     |
| 77 T  | 1,2-Dichlorobenzene       | 10.000 | 9.354  | 6.5    | 106   | 0.00     |
| 78 T  | Hexachloro-1,3-Butadiene  | 10.000 | 8.900  | 11.0   | 109   | 0.00     |
| 79 T  | Naphthalene               | 10.000 | 12.800 | -28.0  | 111   | 0.00     |
| 80 T  | Naphthalene,2-methyl-     | 10.000 | 14.248 | -42.5# | 128   | 0.00     |
| 81 T  | 1,2,4-Trichlorobenzene    | 10.000 | 10.980 | -9.8   | 111   | 0.00     |
| ----- |                           |        |        |        |       |          |

(#) = Out of Range

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