

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL080320\  
 Data File : VL035322.D  
 Acq On : 3 Aug 2020 17:42  
 Operator : SY/AP  
 Sample : VSTDICV010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL080320

Quant Time: Aug 04 06:01:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Aug 04 05:31:29 2020  
 QLast Update : Tue Aug 04 05:31:29 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   | 115   | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.308 | 1.023 | 21.8  | 73    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.149 | 0.968 | 15.8  | 96    | 0.00     |
| 4    | Chloromethane               | 0.656 | 0.561 | 14.5  | 97    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.639 | 0.575 | 10.0  | 97    | 0.00     |
| 6 T  | Bromomethane                | 0.420 | 0.356 | 15.2  | 96    | 0.00     |
| 7    | Chloroethane                | 0.254 | 0.217 | 14.6  | 96    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.578 | 1.287 | 18.4  | 96    | 0.00     |
| 9 T  | Propene                     | 0.415 | 0.405 | 2.4   | 99    | 0.00     |
| 10 T | Heptane                     | 1.066 | 1.039 | 2.5   | 96    | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.709 | 1.363 | 20.2  | 97    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.191 | 0.961 | 19.3  | 98    | 0.00     |
| 13   | Ethanol                     | 0.153 | 0.102 | 33.3# | 86    | 0.00     |
| 14 T | Bromoethene                 | 0.491 | 0.442 | 10.0  | 99    | 0.00     |
| 15 T | Acetone                     | 1.446 | 1.101 | 23.9  | 104   | 0.00     |
| 16 T | 1,3-Butadiene               | 0.539 | 0.503 | 6.7   | 98    | 0.00     |
| 17   | tert-Butyl alcohol          | 1.317 | 1.160 | 11.9  | 101   | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.536 | 0.452 | 15.7  | 97    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.908 | 0.762 | 16.1  | 94    | 0.00     |
| 20 T | Methylene Chloride          | 0.660 | 0.403 | 38.9# | 94    | 0.00     |
| 21 T | Allyl Chloride              | 0.819 | 0.735 | 10.3  | 98    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.532 | 0.449 | 15.6  | 98    | 0.00     |
| 23 T | Vinyl Acetate               | 1.433 | 1.418 | 1.0   | 100   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.333 | 1.150 | 13.7  | 98    | 0.00     |
| 25 T | Ethyl Acetate               | 2.186 | 1.954 | 10.6  | 98    | 0.00     |
| 26 T | Hexane                      | 0.979 | 0.864 | 11.7  | 96    | 0.00     |
| 27 T | Carbon Disulfide            | 1.317 | 1.190 | 9.6   | 99    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.471 | 1.394 | 5.2   | 98    | 0.00     |
| 29 T | Chloroform                  | 1.655 | 1.394 | 15.8  | 98    | 0.00     |
| 30 T | Cyclohexane                 | 0.734 | 0.722 | 1.6   | 96    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 0.903 | 0.876 | 3.0   | 98    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 1.601 | 1.388 | 13.3  | 98    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 114   | 0.00     |
| 34 T | 2-Butanone                  | 0.526 | 0.506 | 3.8   | 99    | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.647 | 0.593 | 8.3   | 96    | 0.00     |
| 36 T | Benzene                     | 0.733 | 0.721 | 1.6   | 99    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.497 | 0.455 | 8.5   | 98    | 0.00     |
| 38 T | Trichloroethene             | 0.269 | 0.293 | -8.9  | 96    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.289 | 0.277 | 4.2   | 98    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.125 | 0.111 | 11.2  | 85    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.260 | 0.275 | -5.8  | 98    | 0.00     |
| 42 T | Bromodichloromethane        | 0.678 | 0.619 | 8.7   | 96    | 0.00     |
| 43   | Methyl Methacrylate         | 0.306 | 0.327 | -6.9  | 98    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.256 | 1.213 | 3.4   | 98    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.327 | 0.370 | -13.1 | 97    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL080320\  
 Data File : VL035322.D  
 Acq On : 3 Aug 2020 17:42  
 Operator : SY/AP  
 Sample : VSTDICV010  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICSVVL080320

Quant Time: Aug 04 06:01:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Aug 04 05:31:29 2020  
 QLast Update : Tue Aug 04 05:31:29 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) |
|------|---------------------------|-------|-------|-------|-------|----------|
| 46 T | cis-1,3-Dichloropropene   | 0.391 | 0.433 | -10.7 | 98    | 0.00     |
| 47 T | 1,1,2-Trichloroethane     | 0.335 | 0.308 | 8.1   | 98    | 0.00     |
| 48 T | Dibromochloromethane      | 0.546 | 0.527 | 3.5   | 97    | 0.00     |
| 49 T | Bromoform                 | 0.475 | 0.471 | 0.8   | 96    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 0.744 | 0.736 | 1.1   | 97    | 0.00     |
| 51 T | 2-Hexanone                | 0.575 | 0.604 | -5.0  | 98    | 0.00     |
| 52 T | Tetrachloroethene         | 0.258 | 0.263 | -1.9  | 97    | 0.00     |
| 53 T | Toluene                   | 0.771 | 0.834 | -8.2  | 98    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.496 | 0.473 | 4.6   | 99    | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0   | 115   | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.469 | 0.393 | 16.2  | 96    | 0.00     |
| 57 T | Chlorobenzene             | 0.765 | 0.642 | 16.1  | 97    | 0.00     |
| 58 T | Ethyl Benzene             | 1.096 | 1.106 | -0.9  | 99    | 0.00     |
| 59 T | m/p-Xylene                | 1.011 | 0.924 | 8.6   | 97    | 0.00     |
| 60 T | o-Xylene                  | 0.999 | 0.926 | 7.3   | 98    | 0.00     |
| 61 T | Styrene                   | 0.615 | 0.653 | -6.2  | 96    | 0.00     |
| 62   | Isopropylbenzene          | 1.508 | 1.364 | 9.5   | 98    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.784 | 0.675 | 13.9  | 97    | 0.00     |
| 64   | n-propylbenzene           | 0.394 | 0.367 | 6.9   | 97    | 0.00     |
| 65   | tert-Butylbenzene         | 1.350 | 1.234 | 8.6   | 98    | 0.00     |
| 66 T | Benzyl Chloride           | 0.522 | 0.497 | 4.8   | 95    | 0.00     |
| 67   | sec-Butylbenzene          | 1.909 | 1.716 | 10.1  | 98    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.838 | 0.797 | 4.9   | 117   | 0.00     |
| 69   | p-Isopropyltoluene        | 1.579 | 1.426 | 9.7   | 97    | 0.00     |
| 70   | n-Butylbenzene            | 1.699 | 1.495 | 12.0  | 95    | 0.00     |
| 71   | 2-Chlorotoluene           | 1.125 | 1.056 | 6.1   | 96    | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.128 | 1.080 | 4.3   | 96    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.105 | 1.029 | 6.9   | 98    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.266 | 1.084 | 14.4  | 97    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.788 | 0.625 | 20.7  | 95    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 0.746 | 0.623 | 16.5  | 95    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.727 | 0.609 | 16.2  | 96    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.590 | 0.471 | 20.2  | 96    | 0.00     |
| 79 T | Naphthalene               | 1.002 | 0.935 | 6.7   | 95    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 0.294 | 0.331 | -12.6 | 94    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.610 | 0.521 | 14.6  | 92    | 0.00     |

(#) = Out of Range

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