

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041425\  
 Data File : VX045755.D  
 Acq On : 14 Apr 2025 09:50  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 15 01:26:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 100   | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.508  | -7.0  | 98    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.789  | 4.4   | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.924  | 4.2#  | 94    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.652  | 10.7  | 90    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.775  | 6.5   | 88    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.156  | -0.3  | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.684  | 0.6   | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.806  | -3.6  | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.748  | 4.5   | 92    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 250.309 | -0.1  | 97    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.457  | 3.1#  | 96    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 241.606 | 3.4   | 98    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.361  | -0.7  | 98    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 243.906 | 2.4   | 93    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 238.951 | 4.4   | 95    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.327  | 11.3  | 85    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.997  | -14.0 | 115   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.737  | -1.5  | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.220  | 3.6   | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.076  | 3.8   | 94    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.441  | -0.9  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 251.035 | -0.4  | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.790  | 2.4   | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 245.878 | 1.6   | 92    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 58.335  | -16.7 | 113   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.841  | 4.3   | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.156  | 5.7   | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 239.457 | 4.2   | 92    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.824  | 0.4#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.617  | 6.8   | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.222  | -2.4  | 102   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.685  | 4.6   | 100   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.935  | 0.1   | 100   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.372  | -0.7  | 97    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.498  | 3.0   | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.935  | -7.9  | 101   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.314  | -2.6  | 94    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.153  | 1.7   | 94    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.993  | -8.0  | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.719  | -5.4  | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.361  | -4.7  | 95    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.156  | -0.3  | 97    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.585  | -1.2# | 95    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.514  | -3.0  | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.266  | -6.5  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.915  | -5.8  | 96    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.    | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| ----- |                             |          |          |       |       |          |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1040.803 | -4.1  | 93    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.295   | 3.4   | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 262.161  | -4.9  | 93    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.889   | 0.2#  | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.105   | 1.8   | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.128   | -10.3 | 99    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.356   | -0.7  | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.749   | -5.5  | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.859   | -1.7  | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 266.898  | -6.8  | 96    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 260.880  | -4.4  | 93    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.994   | -8.0  | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.409   | -4.8  | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.102   | -2.2  | 99    | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 96    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.573   | -1.1  | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.185   | -2.4  | 97    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.374   | -4.7  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.532   | -3.1# | 94    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.705  | -3.7  | 95    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.580   | -3.2  | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.510   | -7.0  | 96    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.834   | -9.7  | 99    | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.552   | 0.9   | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.653   | 0.7   | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.556   | 6.9   | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.494   | 7.0   | 93    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.288   | 3.4   | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.642   | -1.3  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.915   | 2.2   | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.533   | -3.1  | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.119   | -0.2  | 98    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.511   | -1.0  | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.636   | -1.3  | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.093   | -4.2  | 99    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.107   | -4.2  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.221   | -4.4  | 99    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.473   | 1.1   | 99    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.933   | 2.1   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.729   | -7.5  | 99    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.495   | -9.0  | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.608   | 0.8   | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.561   | -7.1  | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.707   | -7.4  | 107   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.320   | -4.6  | 105   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.849   | -1.7  | 96    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.826 | -3.7 | 102   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6