

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX073123\  
 Data File : VX036708.D  
 Acq On : 31 Jul 2023 10:16  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 01 04:32:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 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   | 94    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.006  | 16.0  | 83    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.272  | 15.5  | 83    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.221  | 9.6#  | 86    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.798  | 2.4   | 95    | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 48.219  | 3.6   | 87    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.814  | 2.4   | 93    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.832  | 8.3   | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.534  | 4.9   | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.066  | 9.9   | 80    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 227.490 | 9.0   | 86    | -0.03    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.418  | 9.2#  | 87    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 282.817 | -13.1 | 110   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 43.007  | 14.0  | 83    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 224.534 | 10.2  | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 245.534 | 1.8   | 95    | -0.01    |
| 17 T  | Carbon Disulfide            | 50.000  | 41.295  | 17.4  | 80    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.294  | 11.4  | 82    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.050  | 5.9   | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 43.154  | 13.7  | 86    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.876  | 10.2  | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 44.580  | 10.8  | 84    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 224.355 | 10.3  | 83    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.857  | 8.3   | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 225.978 | 9.6   | 84    | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.926  | 8.1   | 88    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 45.944  | 8.1   | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.814  | 4.4   | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 215.596 | 13.8  | 80    | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 47.073  | 5.9#  | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.342  | 13.3  | 82    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.361  | 7.3   | 88    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.721  | 8.6   | 88    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 91    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.461  | 3.1   | 91    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.879  | 6.2   | 88    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.314  | 11.4  | 80    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.146  | 1.7   | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.833  | 8.3   | 85    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.806  | 6.4   | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 44.690  | 10.6  | 80    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.945  | 2.1   | 89    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 44.842  | 10.3  | 83    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.212  | 3.6   | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.625  | 6.8#  | 86    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.448  | 5.1   | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.631  | 2.7   | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 45.299  | 9.4   | 81    | 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  
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 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 | 924.983 | 7.5  | 85    | -0.04    |
| 50 S  | Toluene-d8                  | 50.000   | 47.646  | 4.7  | 87    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 226.570 | 9.4  | 80    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.072  | 3.9# | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.554  | 2.9  | 87    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.523  | 5.0  | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.972  | 4.1  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.516  | 5.0  | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.814  | 2.4  | 87    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 234.524 | 6.2  | 85    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 229.044 | 8.4  | 81    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.299  | -0.6 | 90    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.923  | 2.2  | 88    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.628  | 2.7  | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.580  | 4.8  | 86    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.864  | 2.3  | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.221  | -0.4 | 90    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.520  | 3.0# | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.582  | 1.4  | 87    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.509  | 3.0  | 85    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.955  | 2.1  | 86    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.140  | -0.3 | 87    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.248  | 5.5  | 88    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 44.126  | 11.7 | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.588  | 8.8  | 86    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.710  | 8.6  | 84    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.750  | 4.5  | 86    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.400  | 5.2  | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.519  | 7.0  | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.434  | 5.1  | 87    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.567  | 12.9 | 78    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.976  | 6.0  | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.653  | 4.7  | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.974  | 6.1  | 86    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.184  | 3.6  | 87    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.072  | 1.9  | 88    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.662  | 2.7  | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.035  | 1.9  | 89    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.298  | 1.4  | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.150  | 5.7  | 86    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.709  | 2.6  | 89    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.012  | 10.0 | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.834  | -1.7 | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.016  | 2.0  | 91    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.764  | 2.5  | 88    | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 21 12:14:12 2023  
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 | 49.838 | 0.3  | 90    | 0.00     |

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