

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012023\  
 Data File : VX033834.D  
 Acq On : 20 Jan 2023 17:30  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 21 04:47:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 11 14:48:42 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    | 104   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.320  | 11.4   | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.158  | -0.3   | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.310  | -2.6#  | 92    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 55.871  | -11.7  | 120   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 43.105  | 13.8   | 86    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.207  | 9.6    | 91    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 57.359  | -14.7  | 129   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.066  | -0.1   | 132   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.266  | 1.5    | 129   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 218.267 | 12.7   | 92    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.144  | 5.7#   | 133   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 474.787 | -89.9# | 242   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.133  | 9.7    | 114   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 240.902 | 3.6    | 97    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 243.136 | 2.7    | 115   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.678  | 12.6   | 118   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.670  | 4.7    | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.011  | 4.0    | 98    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.885  | -1.8   | 99    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.624  | 10.8   | 93    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.317  | 9.4    | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 233.795 | 6.5    | 92    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 44.782  | 10.4   | 92    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 223.161 | 10.7   | 92    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 40.487  | 19.0   | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.154  | 7.7    | 94    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.204  | 7.6    | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 235.992 | 5.6    | 96    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 45.477  | 9.0#   | 94    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.170  | 15.7   | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 44.715  | 10.6   | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.586  | 8.8    | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.739  | 2.5    | 103   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 43.361  | 13.3   | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.124  | -0.2   | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 43.769  | 12.5   | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 42.361  | 15.3   | 87    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.476  | 9.0    | 93    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.693  | 0.6    | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 44.327  | 11.3   | 91    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.977  | 8.0    | 93    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.423  | 5.2    | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.620  | 6.8#   | 94    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.381  | 5.2    | 97    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.375  | 7.2    | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.015  | 6.0    | 91    | 0.00     |

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 ALS Vial : 20 Sample Multiplier: 1

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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed Jan 11 14:48:42 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) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 976.807 | 2.3  | 96    | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 48.483  | 3.0  | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 241.937 | 3.2  | 94    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.244  | 7.5# | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.241  | 5.5  | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.580  | 4.8  | 91    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.473  | 5.1  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.103  | -0.2 | 96    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.438  | 3.1  | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 230.466 | 7.8  | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 253.275 | -1.3 | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.446  | -0.9 | 95    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.046  | -0.1 | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.125  | 1.8  | 102   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.997  | 2.0  | 95    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.479  | 7.0  | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.638  | 4.7  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 46.116  | 7.8# | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 94.415  | 5.6  | 94    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 46.687  | 6.6  | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.199  | 3.6  | 93    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.503  | 5.0  | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.189  | 3.6  | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 45.388  | 9.2  | 90    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.376  | -0.8 | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.473  | 5.1  | 107   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.827  | 2.3  | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 43.517  | 13.0 | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.945  | 4.1  | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 43.852  | 12.3 | 93    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.783  | 12.4 | 88    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.633  | 4.7  | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.346  | 9.3  | 91    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.477  | 7.0  | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.962  | 8.1  | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 46.295  | 7.4  | 90    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.145  | 7.7  | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.566  | 8.9  | 93    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.113  | 9.8  | 87    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 44.833  | 10.3 | 86    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.939  | 6.1  | 94    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.146  | 7.7  | 91    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.181  | 3.6  | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.290  | 11.4 | 88    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.917  | 2.2  | 94    | 0.00     |

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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Wed Jan 11 14:48:42 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 | 48.076 | 3.8  | 93    | 0.00     |

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