

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070524\  
 Data File : VX042199.D  
 Acq On : 05 Jul 2024 09:19  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 05 23:16:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 2024  
 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   | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 60.818  | -21.6 | 114   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.627  | -5.3  | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.288  | -0.6# | 95    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 56.662  | -13.3 | 106   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 59.758  | -19.5 | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 58.679  | -17.4 | 114   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.971  | 6.1   | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.506  | -9.0  | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.156  | -2.3  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 241.985 | 3.2   | 87    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.693  | -5.4# | 98    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 225.789 | 9.7   | 83    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.914  | -1.8  | 92    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 248.422 | 0.6   | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 291.949 | -16.8 | 117   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 55.313  | -10.6 | 109   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 43.947  | 12.1  | 76    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.646  | -5.3  | 95    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.849  | 6.3   | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.265  | -4.5  | 98    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.220  | -2.4  | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 266.821 | -6.7  | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.922  | -3.8  | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 261.260 | -4.5  | 93    | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 58.745  | -17.5 | 108   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.119  | -4.2  | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.853  | 12.3  | 84    | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 247.439 | 1.0   | 87    | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 51.850  | -3.7# | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 53.358  | -6.7  | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.047  | -8.1  | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.974  | 12.1  | 86    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.093  | 3.8   | 88    | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.743  | -9.5  | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.530  | -5.1  | 89    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.991  | -14.0 | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 58.603  | -17.2 | 106   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.366  | -6.7  | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.522  | -7.0  | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.459  | -4.9  | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.344  | -4.7  | 90    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 55.327  | -10.7 | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.349  | -6.7# | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.068  | -8.1  | 94    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.061  | -10.1 | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.229  | -8.5  | 90    | 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

Quant Time: Jul 05 23:16:05 2024  
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 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 2024  
 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 | 898.380 | 10.2   | 84    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.271  | 7.5    | 85    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 257.655 | -3.1   | 86    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.719  | -9.4#  | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.878  | -7.8   | 97    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 58.940  | -17.9  | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.477  | -7.0   | 91    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.415  | -10.8  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.893  | -5.8   | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 262.115 | -4.8   | 85    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 265.948 | -6.4   | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.296  | -14.6  | 95    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.685  | -9.4   | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.327  | -0.7   | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 87    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.978  | -10.0  | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.965  | -7.9   | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.964  | -11.9  | 94    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 56.387  | -12.8# | 97    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 112.324 | -12.3  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.494  | -13.0  | 96    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.071  | -14.1  | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.490  | -7.0   | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.229  | -8.5   | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.926  | -1.9   | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.351  | 3.3    | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.499  | 1.0    | 92    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.143  | -4.3   | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 55.268  | -10.5  | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.469  | -4.9   | 95    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 55.125  | -10.3  | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.921  | -11.8  | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.103  | -10.2  | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.631  | -7.3   | 95    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.666  | -11.3  | 97    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.991  | -12.0  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 56.872  | -13.7  | 98    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.362  | -6.7   | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.487  | -5.0   | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.358  | -16.7  | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 55.935  | -11.9  | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.933  | -5.9   | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.049  | -6.1   | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 56.278  | -12.6  | 98    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.809  | -11.6  | 102   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.663  | -1.3   | 92    | 0.00     |

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

Instrument :  
MSVOA\_X  
LabSampleId :  
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Quant Time: Jul 05 23:16:05 2024  
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QLast Update : Fri Jun 21 23:51:58 2024  
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 | 54.593 | -9.2 | 95    | 0.00     |

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