

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX102624\  
 Data File : VX043554.D  
 Acq On : 26 Oct 2024 06:43  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 26 07:18:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102624W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 26 04:43:47 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   | 109   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.275  | 11.5  | 103   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.597  | 0.8   | 114   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.429  | -2.9# | 112   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.512  | -3.0  | 116   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 57.411  | -14.8 | 129   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.997  | 8.0   | 103   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.245  | -6.5  | 113   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 43.611  | 12.8  | 98    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 56.216  | -12.4 | 119   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 262.804 | -5.1  | 110   | -0.04    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.098  | -0.2# | 108   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 242.706 | 2.9   | 107   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.827  | -3.7  | 110   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 254.014 | -1.6  | 106   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 243.468 | 2.6   | 106   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.402  | -2.8  | 114   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.067  | 1.9   | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.545  | -9.1  | 113   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.242  | -8.5  | 117   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.362  | -2.7  | 113   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 55.117  | -10.2 | 114   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 282.263 | -12.9 | 112   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.009  | -8.0  | 113   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 253.958 | -1.6  | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 40.103  | 19.8  | 87    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.938  | -7.9  | 114   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.440  | -2.9  | 113   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 252.013 | -0.8  | 106   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.309  | -6.6# | 114   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.507  | 13.0  | 98    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.708  | -1.4  | 108   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.124  | -4.2  | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 112   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.417  | -0.8  | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.418  | 7.2   | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.667  | 0.7   | 104   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.026  | 7.9   | 107   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 41.954  | 16.1  | 98    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.118  | -0.2  | 111   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.957  | -7.9  | 108   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.692  | -5.4  | 113   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.989  | -2.0  | 110   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.894  | -1.8  | 110   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.880  | -5.8# | 113   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.892  | -5.8  | 111   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.567  | -9.1  | 116   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.220  | -6.4  | 109   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 26 07:18:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102624W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 26 04:43:47 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 | 1007.226 | -0.7  | 108   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.469   | 5.1   | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 257.625  | -3.0  | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.583   | 2.8#  | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.736   | -7.5  | 111   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.014   | -6.0  | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.016   | -4.0  | 113   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.456   | -8.9  | 114   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.679   | -5.4  | 115   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 271.906  | -8.8  | 109   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 259.275  | -3.7  | 109   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.860   | -13.7 | 116   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.389   | -6.8  | 113   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.072   | 1.9   | 107   | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 111   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.015   | 4.0   | 110   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.634   | -1.3  | 111   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.159   | -6.3  | 114   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.726   | 2.5#  | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.129   | 1.9   | 107   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.688   | 0.6   | 109   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.583   | -7.2  | 113   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.570   | 0.9   | 118   | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 118   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.471   | 9.1   | 107   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.608   | -5.2  | 114   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.720   | 0.6   | 114   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.309   | 3.4   | 113   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.516   | 1.0   | 113   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.060   | 5.9   | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.538   | 6.9   | 110   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.018   | 6.0   | 108   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.591   | 10.8  | 107   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.386   | 5.2   | 109   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.177   | 7.6   | 108   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.510   | 5.0   | 110   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.720   | 6.6   | 108   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.282   | 3.4   | 110   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.094   | 5.8   | 112   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.357   | 5.3   | 114   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.480   | 3.0   | 108   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.660   | 2.7   | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.770   | 2.5   | 113   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.588   | 0.8   | 110   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.654   | 2.7   | 111   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.032   | 7.9   | 106   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.062   | -2.1  | 112   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 54 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 26 07:18:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102624W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 26 04:43:47 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 | 50.334 | -0.7 | 113   | 0.00     |

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