

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040824\  
 Data File : VX040939.D  
 Acq On : 08 Apr 2024 18:49  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 09 02:53:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 02 05:40:55 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   | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 40.782  | 18.4  | 77    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.196  | 7.6   | 87    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.532  | 0.9#  | 95    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.588  | -1.2  | 86    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.311  | 1.4   | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.328  | 9.3   | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.685  | 6.6   | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 43.647  | 12.7  | 85    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.215  | 15.6  | 79    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 237.647 | 4.9   | 90    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 42.471  | 15.1# | 83    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 226.065 | 9.6   | 85    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.836  | 10.3  | 85    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 224.591 | 10.2  | 84    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 213.116 | 14.8  | 84    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 37.664  | 24.7  | 76    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.155  | 9.7   | 85    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.626  | 8.7   | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 41.748  | 16.5  | 87    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 41.857  | 16.3  | 86    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.470  | 7.1   | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 233.681 | 6.5   | 87    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 44.837  | 10.3  | 87    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 226.148 | 9.5   | 86    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.975  | 12.0  | 84    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 44.759  | 10.5  | 87    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.231  | 13.5  | 87    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 220.010 | 12.0  | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.098  | 7.8#  | 88    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.437  | 15.1  | 81    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.562  | 8.9   | 85    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.076  | -4.2  | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.265  | -6.5  | 104   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 43.147  | 13.7  | 85    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 43.969  | 12.1  | 85    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 44.412  | 11.2  | 85    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 41.095  | 17.8  | 80    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 44.402  | 11.2  | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.561  | 2.9   | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.223  | 7.6   | 89    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.638  | 6.7   | 88    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 43.224  | 13.6  | 84    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.859  | 6.3#  | 88    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.425  | 5.2   | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.316  | 7.4   | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.348  | 3.3   | 87    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 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 | 900.166 | 10.0  | 76    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.541  | -1.1  | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 233.947 | 6.4   | 86    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 44.599  | 10.8# | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 44.575  | 10.8  | 87    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.090  | 7.8   | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.312  | 7.4   | 87    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 46.835  | 6.3   | 85    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 45.681  | 8.6   | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 230.479 | 7.8   | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 229.180 | 8.3   | 86    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.147  | 5.7   | 89    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 46.346  | 7.3   | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.424  | -0.8  | 100   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 97    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 42.541  | 14.9  | 84    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 43.622  | 12.8  | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 44.473  | 11.1  | 85    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 44.485  | 11.0# | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 88.161  | 11.8  | 86    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 45.677  | 8.6   | 88    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 45.850  | 8.3   | 86    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 44.585  | 10.8  | 86    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 44.765  | 10.5  | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.067  | 5.9   | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.244  | 7.5   | 89    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.136  | 9.7   | 91    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 45.193  | 9.6   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 43.839  | 12.3  | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 43.864  | 12.3  | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 45.384  | 9.2   | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.095  | 13.8  | 80    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 44.697  | 10.6  | 87    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 44.105  | 11.8  | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 45.850  | 8.3   | 86    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 44.129  | 11.7  | 84    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 45.061  | 9.9   | 85    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 43.897  | 12.2  | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 42.613  | 14.8  | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.013  | 10.0  | 85    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.118  | 9.8   | 85    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 43.709  | 12.6  | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.600  | 8.8   | 81    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 42.867  | 14.3  | 86    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 41.896  | 16.2  | 85    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.024  | 8.0   | 87    | 0.00     |

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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 02 05:40:55 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 | 44.439 | 11.1 | 87    | 0.00     |

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