

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103024\  
 Data File : VX043635.D  
 Acq On : 30 Oct 2024 19:25  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 31 23:05:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 28 13:41:34 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   | 120   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.589  | 16.8  | 105   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 39.732  | 20.5  | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.452  | 11.1# | 106   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.395  | 15.2  | 100   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.116  | 5.8   | 112   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.946  | 0.1   | 119   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.591  | 8.8   | 110   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.808  | 2.4   | 117   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.361  | 5.3   | 110   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 195.641 | 21.7  | 89    | -0.04    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.221  | 3.6#  | 115   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 195.607 | 21.8  | 100   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.352  | 11.3  | 103   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 220.072 | 12.0  | 102   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 188.800 | 24.5  | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.877  | 14.2  | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 41.043  | 17.9  | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 43.949  | 12.1  | 103   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 42.541  | 14.9  | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.270  | 5.5   | 114   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 44.002  | 12.0  | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 221.516 | 11.4  | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 44.839  | 10.3  | 106   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 208.407 | 16.6  | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 39.976  | 20.0  | 97    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.591  | 6.8   | 109   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.742  | 12.5  | 108   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 209.558 | 16.2  | 97    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 44.816  | 10.4# | 106   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.598  | 8.8   | 110   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.410  | 7.2   | 109   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 41.925  | 16.2  | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 114   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.145  | 3.7   | 111   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.200  | 5.6   | 112   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.228  | 11.5  | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.140  | 3.7   | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.050  | 3.9   | 108   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.238  | 5.5   | 107   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.454  | 7.1   | 101   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 43.203  | 13.6  | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 43.998  | 12.0  | 97    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.561  | 0.9   | 112   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.915  | 6.2#  | 105   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 45.058  | 9.9   | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.992  | 6.0   | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 45.277  | 9.4   | 98    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 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 | 1064.890 | -6.5 | 117   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.145   | -0.3 | 115   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 227.662  | 8.9  | 98    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.134   | 1.7# | 109   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.012   | 8.0  | 99    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.908   | 4.2  | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.983   | 4.0  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.299   | 5.4  | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.294   | 5.4  | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 228.196  | 8.7  | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 227.247  | 9.1  | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.353   | 1.3  | 103   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.860   | 4.3  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.226   | 3.5  | 108   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0  | 112   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.495   | -5.0 | 120   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.866   | 4.3  | 108   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.585   | -1.2 | 107   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.724   | 2.6# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.611  | -0.6 | 110   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.021   | -0.0 | 110   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.824   | -1.6 | 108   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.919   | 0.2  | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0  | 114   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.624   | 0.8  | 112   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 45.567   | 8.9  | 101   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.675   | 6.7  | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.125   | 11.8 | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.913   | 4.2  | 108   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.290   | -0.6 | 111   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.876   | 6.2  | 108   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.526   | 0.9  | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.896   | 8.2  | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.649   | 4.7  | 108   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.251   | -0.5 | 113   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.359   | 1.3  | 109   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.265   | -2.5 | 113   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.708   | -3.4 | 113   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.692   | 2.6  | 110   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.988   | 6.0  | 110   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.283   | -4.6 | 111   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.448   | -2.9 | 109   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.363   | 1.3  | 109   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.175   | 9.7  | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.359   | -0.7 | 108   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.196   | -2.4 | 117   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.090   | 1.8  | 105   | 0.00     |

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 31 23:05:06 2024  
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Quant Title : SW846 8260  
QLast Update : Mon Oct 28 13:41:34 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 | 49.201 | 1.6  | 109   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6