

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122222\  
 Data File : VN075951.D  
 Acq On : 22 Dec 2022 17:48  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 23 05:24:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 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   | 101   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.243  | 11.5  | 90    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.223  | 13.6  | 92    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.705  | 8.6#  | 94    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.333  | 11.3  | 90    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.881  | 6.2   | 97    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.080  | 5.8   | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.615  | 0.8   | 97    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.855  | 4.3   | 95    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.528  | 8.9   | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 243.399 | 2.6   | 97    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.926  | 8.1#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 290.141 | -16.1 | 114   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.902  | 6.2   | 85    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 256.735 | -2.7  | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 231.226 | 7.5   | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 40.903  | 18.2  | 82    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.152  | -0.3  | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.305  | -2.6  | 97    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.626  | 2.7   | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.729  | 8.5   | 92    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.299  | -4.6  | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 261.782 | -4.7  | 98    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.603  | 2.8   | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 258.869 | -3.5  | 102   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.935  | 2.1   | 95    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.737  | 2.5   | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.192  | 5.6   | 96    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 271.059 | -8.4  | 104   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.219  | 3.6#  | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.745  | 12.5  | 94    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.221  | 1.6   | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.121  | -6.2  | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.289  | -4.6  | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.960  | 4.1   | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.305  | -2.6  | 103   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.757  | 2.5   | 95    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.790  | 0.4   | 92    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.276  | 3.4   | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.067  | -6.1  | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.095  | 1.8   | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.529  | -7.1  | 102   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.515  | 9.0   | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.702  | 2.6#  | 97    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.456  | 3.1   | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.471  | -0.9  | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.788  | -9.6  | 101   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 23 05:24:40 2022  
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 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 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 | 1029.649 | -3.0  | 98    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.601   | -7.2  | 106   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 277.529  | -11.0 | 104   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.721   | 0.6#  | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.593   | -5.2  | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.492   | -5.0  | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.494   | -3.0  | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.876   | -11.8 | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.322   | -2.6  | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 275.628  | -10.3 | 103   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 279.867  | -11.9 | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.373   | -2.7  | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.383   | -2.8  | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.808   | -11.6 | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.986   | 8.0   | 97    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.485   | 3.0   | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.347   | -0.7  | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.952   | -1.9# | 97    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.420  | -2.4  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.562   | -3.1  | 97    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.198   | -6.4  | 96    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.183   | -6.4  | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.149   | -0.3  | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.823   | -9.6  | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.481   | 3.0   | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.586   | 6.8   | 92    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.734   | 4.5   | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.239   | -4.5  | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.125   | 1.8   | 97    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.767   | -3.5  | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.443   | -6.9  | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.125   | 1.8   | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.766   | -5.5  | 100   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.145   | -4.3  | 97    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.432   | -6.9  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.142   | -8.3  | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.926   | 2.1   | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.440   | 5.1   | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.264   | -8.5  | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.554   | -7.1  | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.645   | 0.7   | 98    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.994   | 4.0   | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.855   | 0.3   | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.778   | 2.4   | 92    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.783   | 8.4   | 95    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.935 | -3.9 | 92    | 0.00     |

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