

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012423\  
 Data File : VN076388.D  
 Acq On : 24 Jan 2023 18:22  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 25 00:42:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 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   | 118   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 40.665  | 18.7  | 94    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.078  | 11.8  | 106   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.131  | 1.7#  | 118   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.639  | 10.7  | 109   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.179  | 11.6  | 112   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 42.452  | 15.1  | 103   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.481  | 7.0   | 108   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.406  | 15.2  | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 41.755  | 16.5  | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 200.191 | 19.9  | 94    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 41.882  | 16.2# | 100   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 205.940 | 17.6  | 99    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.348  | 11.3  | 107   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 230.379 | 7.8   | 108   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 229.007 | 8.4   | 111   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 38.706  | 22.6  | 92    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.798  | 10.4  | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.167  | 9.7   | 104   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 43.534  | 12.9  | 106   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 41.801  | 16.4  | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.714  | 4.6   | 111   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 236.377 | 5.4   | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 44.329  | 11.3  | 106   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 224.011 | 10.4  | 107   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.353  | 13.3  | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 43.453  | 13.1  | 104   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 42.813  | 14.4  | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 238.138 | 4.7   | 108   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 45.233  | 9.5#  | 108   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 39.159  | 21.7  | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 44.571  | 10.9  | 106   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.872  | 6.3   | 112   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 122   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 44.092  | 11.8  | 110   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 42.773  | 14.5  | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 43.283  | 13.4  | 108   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 43.082  | 13.8  | 105   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 42.747  | 14.5  | 99    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 42.862  | 14.3  | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 45.028  | 9.9   | 108   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 44.152  | 11.7  | 109   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.391  | 9.2   | 108   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 40.338  | 19.3  | 103   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 43.477  | 13.0# | 107   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 42.867  | 14.3  | 105   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 45.543  | 8.9   | 109   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.446  | 7.1   | 110   | 0.00     |

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Instrument :  
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 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 | 876.904 | 12.3  | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 44.503  | 11.0  | 108   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 235.864 | 5.7   | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 42.465  | 15.1# | 104   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.532  | 6.9   | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 45.117  | 9.8   | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 44.008  | 12.0  | 110   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.844  | 4.3   | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 43.718  | 12.6  | 106   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 209.095 | 16.4  | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 233.939 | 6.4   | 108   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.963  | 4.1   | 110   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 44.896  | 10.2  | 106   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.776  | 4.4   | 112   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 120   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 36.498  | 27.0# | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 42.961  | 14.1  | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 44.768  | 10.5  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 45.847  | 8.3#  | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 90.041  | 10.0  | 105   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 45.581  | 8.8   | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 46.939  | 6.1   | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.426  | 5.1   | 107   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 116   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.995  | 8.0   | 108   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 47.426  | 5.1   | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.232  | 11.5  | 108   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.667  | 4.7   | 109   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 44.794  | 10.4  | 105   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.073  | 7.9   | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 44.682  | 10.6  | 108   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 45.981  | 8.0   | 106   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.291  | 11.4  | 96    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 44.682  | 10.6  | 108   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.476  | 9.0   | 106   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.080  | 7.8   | 107   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.103  | 5.8   | 107   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.065  | 3.9   | 106   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 42.148  | 15.7  | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 43.173  | 13.7  | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.681  | 2.6   | 104   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.249  | 3.5   | 108   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 41.869  | 16.3  | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.005  | 8.0   | 99    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 41.047  | 17.9  | 95    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 40.536  | 18.9  | 95    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 39.955  | 20.1  | 94    | 0.00     |

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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 | 41.728 | 16.5 | 97    | 0.00     |

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