

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091522\  
 Data File : VN074478.D  
 Acq On : 15 Sep 2022 22:26  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 16 01:47:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 19:20:33 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   | 71    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.884  | 14.2  | 71    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.962  | -1.9  | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 52.234  | -4.5# | 86    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.483  | -5.0  | 80    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.669  | -5.3  | 86    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.820  | 8.4   | 74    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 44.926  | 10.1  | 72    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.231  | 7.5   | 74    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.190  | 3.6   | 72    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 237.588 | 5.0   | 79    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.426  | 5.1#  | 75    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 288.755 | -15.5 | 85    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.990  | 4.0   | 76    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 257.459 | -3.0  | 79    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 247.686 | 0.9   | 81    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.729  | 10.5  | 72    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.768  | 2.5   | 79    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.362  | 3.3   | 76    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.964  | 6.1   | 73    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.924  | 4.2   | 74    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.438  | -2.9  | 79    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 263.903 | -5.6  | 79    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.289  | 3.4   | 77    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 262.608 | -5.0  | 81    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 38.879  | 22.2  | 63    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.048  | 5.9   | 75    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.482  | -1.0  | 79    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 267.534 | -7.0  | 81    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.576  | 0.8#  | 76    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.695  | 6.6   | 76    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.908  | 6.2   | 75    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.423  | 1.2   | 74    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 72    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.369  | 3.3   | 71    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.989  | 8.0   | 74    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.875  | -7.8  | 81    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.275  | 3.5   | 75    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.263  | 3.5   | 73    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.386  | 1.2   | 76    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.935  | -1.9  | 80    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.938  | 0.1   | 76    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.075  | -4.2  | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.807  | 8.4   | 74    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.353  | 3.3#  | 75    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.658  | 2.7   | 76    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.522  | 1.0   | 76    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.774  | 0.5   | 78    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 19:20:33 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 | 1084.484 | -8.4  | 84    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.743   | -1.5  | 76    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 275.144  | -10.1 | 82    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.074   | -2.1# | 76    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.078   | -0.2  | 75    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.077   | 1.8   | 75    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.963   | 2.1   | 76    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.154   | -4.3  | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.240   | -0.5  | 77    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 263.071  | -5.2  | 77    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 280.641  | -12.3 | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.927   | 0.1   | 75    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.415   | -0.8  | 75    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.491   | -3.0  | 73    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 73    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 44.230   | 11.5  | 72    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.092   | 5.8   | 74    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.695   | 2.6   | 76    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.322   | -0.6# | 77    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.126  | -1.1  | 76    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.910   | 0.2   | 76    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.547   | 0.9   | 75    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.603   | -1.2  | 75    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 71    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.064   | 3.9   | 76    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.510   | -1.0  | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.845   | 6.3   | 78    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.758   | 2.5   | 80    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 45.705   | 8.6   | 73    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.284   | 1.4   | 75    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.965   | 4.1   | 76    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.826   | 4.3   | 74    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.674   | 6.7   | 72    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.388   | 3.2   | 75    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.558   | 6.9   | 74    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.604   | 2.8   | 76    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.248   | 1.5   | 75    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.565   | 0.9   | 73    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.277   | 3.4   | 75    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.921   | 8.2   | 74    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.328   | -0.7  | 74    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.019   | 4.0   | 76    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.208   | 7.6   | 74    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.031   | 5.9   | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.555   | 6.9   | 72    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.492   | 11.0  | 73    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.332   | 7.3   | 73    | 0.00     |

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ALS Vial : 29 Sample Multiplier: 1

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MSVOA\_N  
LabSampleId :  
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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 | 46.265 | 7.5  | 72    | 0.00     |

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