

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032723\  
 Data File : VN077204.D  
 Acq On : 27 Mar 2023 16:10  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.1mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 28 07:26:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032523W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 27 02:47:06 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   | 102   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.072  | 17.9  | 91    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.468  | -2.9  | 112   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.012  | -6.0# | 108   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.204  | 13.6  | 91    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.572  | 2.9   | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.059  | 3.9   | 110   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 44.378  | 11.2  | 102   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.119  | 5.8   | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.739  | -3.5  | 102   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 243.708 | 2.5   | 110   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.560  | 4.9#  | 98    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 242.489 | 3.0   | 110   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.304  | 7.4   | 92    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 244.100 | 2.4   | 106   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 238.908 | 4.4   | 103   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.036  | 1.9   | 99    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.066  | 3.9   | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.487  | -1.0  | 103   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.558  | 4.9   | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.407  | 3.2   | 100   | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 50.280  | -0.6  | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 257.166 | -2.9  | 103   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.427  | 3.1   | 100   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 243.773 | 2.5   | 103   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.661  | 0.7   | 102   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.963  | 0.1   | 101   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.408  | 5.2   | 103   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 250.152 | -0.1  | 105   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.026  | 1.9#  | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.744  | 6.5   | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.151  | 1.7   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.785  | 4.4   | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 101   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.817  | 4.4   | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.800  | -1.6  | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.744  | -3.5  | 110   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.751  | 0.5   | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.578  | -5.2  | 103   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.767  | 0.5   | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.505  | -5.0  | 106   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.818  | 4.4   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.697  | -1.4  | 105   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.234  | -0.5  | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.030  | -0.1# | 102   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.005  | -0.0  | 103   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.228  | -0.5  | 102   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.191  | -2.4  | 104   | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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 QLast Update : Mon Mar 27 02:47:06 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1034.269 | -3.4  | 112   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.539   | 0.9   | 99    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.687  | -0.7  | 105   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.926   | -1.9# | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.367   | -4.7  | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.068   | -4.1  | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.819   | 0.4   | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.963   | -7.9  | 106   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.750   | 0.5   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 252.453  | -1.0  | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 253.910  | -1.6  | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.432   | -4.9  | 104   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.366   | 1.3   | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.448   | -0.9  | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.978   | -2.0  | 103   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.028   | -0.1  | 102   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.099   | -0.2  | 103   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.258   | -2.5# | 101   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.047  | -3.0  | 102   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.445   | -4.9  | 102   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.203   | -6.4  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.245   | -2.5  | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.248   | -0.5  | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.348   | -0.7  | 103   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.341   | 5.3   | 103   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.693   | -11.4 | 108   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.853   | 2.3   | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.054   | -2.1  | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.198   | 1.6   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.230   | -2.5  | 100   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.915   | 0.2   | 98    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.221   | -0.4  | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.786   | -1.6  | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.149   | -6.3  | 103   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.064   | -4.1  | 100   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.725   | -7.5  | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.422   | -2.8  | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.019   | -0.0  | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.088   | -12.2 | 103   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.164   | -4.3  | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.627   | -1.3  | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.292   | -0.6  | 109   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.702   | -1.4  | 105   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.556   | -5.1  | 105   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.411   | 3.2   | 102   | 0.00     |

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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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 | 49.983 | 0.0  | 105   | 0.00     |

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