

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041123\  
 Data File : VN077291.D  
 Acq On : 11 Apr 2023 09:16  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 12 04:34:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 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   | 100   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.522  | 15.0  | 87    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 39.621  | 20.8  | 87    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.602  | 14.8# | 86    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 40.360  | 19.3  | 88    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 40.425  | 19.2  | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.894  | 6.2   | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.505  | 9.0   | 93    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.272  | 7.5   | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.748  | 6.5   | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 185.646 | 25.7# | 74    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.245  | 9.5#  | 96    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 195.988 | 21.6  | 87    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 40.026  | 19.9  | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 204.465 | 18.2  | 80    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 244.568 | 2.2   | 102   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.426  | 9.1   | 92    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 39.275  | 21.5  | 78    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.899  | 8.2   | 91    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 42.815  | 14.4  | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.506  | 7.0   | 94    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.784  | 8.4   | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 223.531 | 10.6  | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.610  | 8.8   | 91    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 212.161 | 15.1  | 86    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.067  | 1.9   | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.893  | 6.2   | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.271  | 1.5   | 115   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 196.574 | 21.4  | 77    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.655  | 6.7#  | 94    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.696  | 12.6  | 95    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.006  | 6.0   | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.982  | 6.0   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 99    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.372  | 5.3   | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.510  | 3.0   | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 41.412  | 17.2  | 81    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.508  | 3.0   | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.855  | 2.3   | 98    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.928  | 6.1   | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 40.468  | 19.1  | 79    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.034  | 5.9   | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 41.431  | 17.1  | 83    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.778  | 2.4   | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.419  | 3.2#  | 95    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.264  | 7.5   | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.871  | 6.3   | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 43.657  | 12.7  | 86    | 0.00     |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 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 | 792.296 | 20.8  | 80    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.440  | 3.1   | 98    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 209.204 | 16.3  | 79    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.877  | 2.2#  | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.455  | 1.1   | 93    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.837  | 2.3   | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.080  | 7.8   | 91    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 46.452  | 7.1   | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.970  | 6.1   | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 232.712 | 6.9   | 86    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 214.026 | 14.4  | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.414  | -0.8  | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.167  | 3.7   | 92    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.369  | -2.7  | 102   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.692  | 0.6   | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.579  | 2.8   | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 46.097  | 7.8   | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.355  | 3.3#  | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.351  | 2.6   | 94    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.679  | 2.6   | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.080  | 1.8   | 92    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.619  | 4.8   | 89    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.895  | 8.2   | 95    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 39.196  | 21.6  | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 41.387  | 17.2  | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 38.094  | 23.8  | 73    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 45.614  | 8.8   | 95    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.854  | 4.3   | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.685  | 8.6   | 95    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.020  | 4.0   | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.828  | 6.3   | 96    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.465  | 5.1   | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.417  | 9.2   | 94    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.854  | 4.3   | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.483  | 3.0   | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.428  | -0.9  | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.684  | 4.6   | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.867  | 4.3   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.926  | -5.9  | 99    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.250  | 7.5   | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.942  | 6.1   | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 38.741  | 22.5  | 78    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 56.426  | -12.9 | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.982  | 4.0   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.255  | -4.5  | 82    | 0.00     |

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
QLast Update : Thu Apr 06 08:27:03 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 54.336 | -8.7 | 88    | 0.00     |

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