

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032622\  
 Data File : VN071594.D  
 Acq On : 27 Mar 2022 00:16  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 28 02:23:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032522W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 25 09:52:40 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  | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.606  | 8.8  | 94    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.662  | 6.7  | 93    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.317  | 9.4# | 94    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.136  | -6.3 | 93    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.723  | 2.6  | 106   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.275  | 7.5  | 95    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.845  | 6.3  | 96    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.670  | 8.7  | 94    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.735  | 2.5  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 242.200 | 3.1  | 98    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.624  | 6.8# | 95    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 202.465 | 19.0 | 84    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.810  | 8.4  | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 236.978 | 5.2  | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 237.953 | 4.8  | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.344  | 13.3 | 90    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.257  | 3.5  | 96    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.203  | 3.6  | 98    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.331  | 11.3 | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.209  | 7.6  | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.992  | 4.0  | 96    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 245.572 | 1.8  | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.278  | 7.4  | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 238.954 | 4.4  | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 40.341  | 19.3 | 82    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.540  | 4.9  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 39.772  | 20.5 | 82    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 236.995 | 5.2  | 96    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.553  | 4.9# | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.592  | 10.8 | 94    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.113  | 3.8  | 97    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.818  | 2.4  | 100   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0  | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.137  | 1.7  | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.350  | 7.3  | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.531  | 2.9  | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.169  | 5.7  | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.247  | 5.5  | 92    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.566  | 6.9  | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.971  | -9.9 | 111   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.025  | 8.0  | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.563  | -7.1 | 110   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.778  | 6.4  | 97    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.478  | 7.0# | 95    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.938  | 6.1  | 97    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.235  | 3.5  | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.410  | 1.2  | 96    | 0.00     |

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 ALS Vial : 33 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 | 974.942 | 2.5  | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.913  | 2.2  | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 241.672 | 3.3  | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.465  | 3.1# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.072  | 3.9  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.529  | 4.9  | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.342  | 5.3  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.320  | -0.6 | 98    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.549  | 4.9  | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 223.000 | 10.8 | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 249.634 | 0.1  | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.144  | 1.7  | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.579  | 2.8  | 98    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.323  | -0.6 | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.068  | 7.9  | 97    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.453  | 5.1  | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.069  | 1.9  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.593  | 2.8# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.205  | 1.8  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.955  | 0.1  | 99    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.851  | -1.7 | 99    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.375  | -0.8 | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.626  | 6.7  | 98    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.271  | 1.5  | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.639  | -3.3 | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.903  | -5.8 | 116   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 45.954  | 8.1  | 101   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.489  | 5.0  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.481  | 9.0  | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.426  | 5.1  | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.407  | 7.2  | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.455  | 7.1  | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.210  | 3.6  | 100   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.678  | 2.6  | 99    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.907  | 4.2  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.274  | 1.5  | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.541  | 6.9  | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 44.649  | 10.7 | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.512  | 5.0  | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.515  | 7.0  | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.793  | 6.4  | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.579  | 6.8  | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.327  | 3.3  | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.694  | 10.6 | 95    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.744  | 6.5  | 103   | 0.00     |

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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 | 49.100 | 1.8  | 100   | 0.00     |

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