

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092122\  
 Data File : VN074602.D  
 Acq On : 21 Sep 2022 09:51  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 22 06:55:37 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    | 76    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 38.170  | 23.7   | 68    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.099  | 5.8    | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 54.984  | -10.0# | 98    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 84.077  | -68.2# | 139   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 66.967  | -33.9# | 119   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.730  | 10.5   | 78    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.621  | 8.8    | 80    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.240  | 7.5    | 80    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 44.749  | 10.5   | 72    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 189.684 | 24.1   | 68    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 41.811  | 16.4#  | 71    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 170.980 | 31.6#  | 54    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.102  | 9.8    | 77    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 241.472 | 3.4    | 81    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 226.449 | 9.4    | 80    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 38.260  | 23.5   | 67    | -0.01    |
| 18 T  | Methyl Acetate              | 50.000  | 48.634  | 2.7    | 85    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.990  | 6.0    | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.971  | 8.1    | 78    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.325  | 11.3   | 74    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.265  | -0.5   | 84    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 261.780 | -4.7   | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.403  | 5.2    | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 246.446 | 1.4    | 82    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 42.623  | 14.8   | 75    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 45.032  | 9.9    | 77    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.202  | -2.4   | 87    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 250.720 | -0.3   | 82    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.497  | 1.0#   | 82    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.717  | 16.6   | 73    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 44.281  | 11.4   | 76    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.789  | -3.6   | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 72    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 56.287  | -12.6  | 82    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.191  | 3.6    | 77    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.716  | -9.4   | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.740  | 6.5    | 73    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.688  | 2.6    | 74    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.198  | -0.4   | 77    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.799  | -1.6   | 80    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.548  | -7.1   | 82    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.548  | -9.1   | 84    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.060  | 5.9    | 76    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.304  | -4.6#  | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.224  | -4.4   | 82    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.079  | -4.2   | 80    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.739  | -5.5   | 83    | 0.00     |

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

Instrument :  
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 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 | 974.580 | 2.5   | 76    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.313  | -4.6  | 79    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 286.644 | -14.7 | 86    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.967  | -3.9# | 77    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.312  | -4.6  | 79    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.999  | 0.0   | 76    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.959  | -7.9  | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.496  | -7.0  | 81    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.156  | -6.3  | 82    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 257.215 | -2.9  | 75    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 284.686 | -13.9 | 85    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.937  | -7.9  | 81    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.792  | -7.6  | 81    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.089  | -10.2 | 78    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 76    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.691  | 8.6   | 77    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.199  | 1.6   | 81    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.554  | -1.1  | 83    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.217  | -0.4# | 80    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.490 | -0.5  | 79    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.164  | -0.3  | 79    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.709  | -1.4  | 80    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.319  | -4.6  | 81    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 78    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.623  | 8.8   | 79    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 48.450  | 3.1   | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.347  | 9.3   | 83    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.258  | -0.5  | 91    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 45.188  | 9.6   | 80    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.279  | 5.4   | 80    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 44.470  | 11.1  | 78    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 46.296  | 7.4   | 79    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.555  | 10.9  | 76    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.279  | 9.4   | 78    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 43.185  | 13.6  | 75    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.727  | 6.5   | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.595  | 4.8   | 80    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.541  | 0.9   | 81    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.889  | 6.2   | 81    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.827  | 6.3   | 83    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.718  | 0.6   | 81    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 43.866  | 12.3  | 76    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.046  | 7.9   | 82    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 40.568  | 18.9  | 72    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.640  | 0.7   | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.388  | 11.2  | 80    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.044  | 7.9   | 80    | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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LabSampleId :  
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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 | 46.740 | 6.5  | 80    | 0.00     |

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