

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101122\  
 Data File : VN074866.D  
 Acq On : 11 Oct 2022 23:03  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 12 04:01:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 05:37:50 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   | 89    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.946  | 16.1  | 75    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 37.815  | 24.4  | 74    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.845  | 8.3#  | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.429  | -0.9  | 88    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.841  | 2.3   | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 43.214  | 13.6  | 84    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 38.998  | 22.0  | 75    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.323  | 15.4  | 79    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.898  | 14.2  | 78    | -0.01    |
| 11 T  | Tert butyl alcohol          | 250.000 | 176.386 | 29.4# | 68    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 38.745  | 22.5# | 77    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 201.670 | 19.3  | 67    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 36.889  | 26.2# | 66    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 199.302 | 20.3  | 72    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 212.746 | 14.9  | 79    | -0.01    |
| 17 T  | Carbon Disulfide            | 50.000  | 36.343  | 27.3# | 68    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 41.840  | 16.3  | 79    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 43.097  | 13.8  | 78    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.544  | 6.9   | 79    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 41.686  | 16.6  | 79    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 42.671  | 14.7  | 77    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 201.491 | 19.4  | 69    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 42.276  | 15.4  | 77    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 202.017 | 19.2  | 74    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 20.313  | 59.4# | 38    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 44.887  | 10.2  | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.863  | 6.3   | 79    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 198.374 | 20.7  | 71    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.337  | 7.3#  | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 39.433  | 21.1  | 73    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.303  | 9.4   | 81    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.616  | 2.8   | 88    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 89    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.971  | 2.1   | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.301  | 11.4  | 79    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 40.839  | 18.3  | 74    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.544  | 8.9   | 81    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 40.792  | 18.4  | 71    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 44.688  | 10.6  | 80    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 42.832  | 14.3  | 76    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.256  | 5.5   | 82    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 42.200  | 15.6  | 76    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 43.008  | 14.0  | 77    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 44.157  | 11.7# | 77    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.465  | 5.1   | 80    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.889  | 6.2   | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 45.494  | 9.0   | 79    | 0.00     |

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Instrument :  
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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 | 829.459 | 17.1  | 75    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.016  | 4.0   | 85    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 219.179 | 12.3  | 76    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 45.975  | 8.0#  | 78    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 40.118  | 19.8  | 68    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 38.833  | 22.3  | 68    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.533  | 6.9   | 79    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 42.447  | 15.1  | 72    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 45.943  | 8.1   | 81    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 236.391 | 5.4   | 75    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 219.195 | 12.3  | 75    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.791  | 4.4   | 81    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 44.966  | 10.1  | 79    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.155  | -0.3  | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 91    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 43.491  | 13.0  | 82    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 44.042  | 11.9  | 80    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 45.787  | 8.4   | 84    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 44.815  | 10.4# | 78    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 91.341  | 8.7   | 79    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 45.403  | 9.2   | 79    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.134  | 3.7   | 81    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 45.740  | 8.5   | 80    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 89    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 42.757  | 14.5  | 79    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 38.893  | 22.2  | 76    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.386  | 5.2   | 79    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 37.581  | 24.8  | 67    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.638  | -3.3  | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 43.574  | 12.9  | 78    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 41.766  | 16.5  | 79    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 44.980  | 10.0  | 79    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 25.937  | 48.1# | 48    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 43.850  | 12.3  | 77    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.437  | 9.1   | 80    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 45.054  | 9.9   | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.612  | 8.8   | 80    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 46.968  | 6.1   | 80    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 45.659  | 8.7   | 83    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.532  | 4.9   | 84    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.425  | 11.2  | 76    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 40.330  | 19.3  | 75    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.852  | 4.3   | 85    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 36.800  | 26.4# | 74    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.214  | 7.6   | 81    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.246  | 7.5   | 92    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 43.850  | 12.3  | 75    | 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 | 48.181 | 3.6  | 84    | 0.00     |

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