

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090922\  
 Data File : VN074401.D  
 Acq On : 10 Sep 2022 02:39  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 10 07:32:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090922W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 10 06:10:29 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   | 84    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 40.842  | 18.3  | 75    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.233  | 7.5   | 77    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.199  | 1.6#  | 90    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.460  | -6.9  | 95    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 61.470  | -22.9 | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 43.918  | 12.2  | 81    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 44.868  | 10.3  | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.862  | 14.3  | 82    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.633  | 8.7   | 79    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 226.649 | 9.3   | 79    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 42.495  | 15.0# | 78    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 205.422 | 17.8  | 73    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 41.647  | 16.7  | 76    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 229.879 | 8.0   | 78    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 224.916 | 10.0  | 81    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.496  | 13.0  | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.026  | 11.9  | 80    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 44.700  | 10.6  | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.393  | 3.2   | 80    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 42.617  | 14.8  | 81    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.149  | 7.7   | 80    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 239.302 | 4.3   | 80    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.249  | 9.5   | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 233.147 | 6.7   | 80    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 29.003  | 42.0# | 54    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 42.912  | 14.2  | 79    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.035  | 7.9   | 77    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 233.240 | 6.7   | 80    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.770  | 6.5#  | 80    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.948  | 14.1  | 81    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.505  | 9.0   | 80    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.351  | 9.3   | 78    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 84    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.265  | 5.5   | 80    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.783  | 4.4   | 82    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.276  | 5.4   | 80    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.395  | 3.2   | 81    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.341  | 11.3  | 77    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.504  | 5.0   | 80    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.046  | -4.1  | 81    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.050  | 5.9   | 82    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.535  | 4.9   | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.073  | 1.9   | 84    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.869  | 6.3#  | 81    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.094  | 5.8   | 80    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.512  | 7.0   | 78    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.919  | 6.2   | 83    | 0.00     |

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 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
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 LabSampleId :  
 VSTDCCC050

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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 | 912.471 | 8.8  | 75    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 45.985  | 8.0  | 76    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 246.828 | 1.3  | 81    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.355  | 3.3# | 78    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.232  | 7.5  | 74    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 44.549  | 10.9 | 75    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.643  | 6.7  | 78    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.750  | -1.5 | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.583  | 4.8  | 79    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 232.264 | 7.1  | 78    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 251.695 | -0.7 | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.017  | -2.0 | 80    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.982  | 4.0  | 78    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.351  | 3.3  | 78    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 81    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.215  | 9.6  | 77    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.639  | 6.7  | 77    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.248  | 5.5  | 80    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.281  | 5.4# | 78    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 95.049  | 5.0  | 77    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 47.157  | 5.7  | 76    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.579  | -1.2 | 78    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.015  | -2.0 | 78    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 82    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 44.942  | 10.1 | 78    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.920  | -3.8 | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.657  | 10.7 | 81    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.231  | 3.5  | 79    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 44.898  | 10.2 | 78    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.620  | 6.8  | 77    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.456  | 9.1  | 78    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.156  | 5.7  | 80    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 39.083  | 21.8 | 64    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.180  | 5.6  | 79    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.357  | 9.3  | 77    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.080  | 5.8  | 78    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.541  | 4.9  | 77    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.326  | 3.3  | 78    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.471  | 5.1  | 79    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.182  | 7.6  | 78    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.010  | 2.0  | 76    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 44.816  | 10.4 | 76    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 45.775  | 8.5  | 79    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.150  | 7.7  | 72    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.479  | 7.0  | 76    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.228  | 11.5 | 77    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.086  | 5.8  | 75    | 0.00     |

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ALS Vial : 34 Sample Multiplier: 1

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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 | 45.540 | 8.9  | 76    | 0.00     |

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