

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110824\  
 Data File : VN084737.D  
 Acq On : 08 Nov 2024 09:39  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 08 22:24:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 2024  
 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  | 44.011  | 12.0  | 90    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 40.824  | 18.4  | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.265  | 11.5# | 89    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.874  | 12.3  | 95    | -0.05    |
| 6 T   | Chloroethane                | 50.000  | 46.548  | 6.9   | 93    | -0.05    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.569  | 6.9   | 97    | -0.03    |
| 8 T   | Diethyl Ether               | 50.000  | 47.307  | 5.4   | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.675  | 4.7   | 97    | -0.02    |
| 10 T  | Methyl Iodide               | 50.000  | 47.554  | 4.9   | 98    | -0.02    |
| 11 T  | Tert butyl alcohol          | 250.000 | 264.502 | -5.8  | 115   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.624  | 10.8# | 93    | -0.02    |
| 13 T  | Acrolein                    | 250.000 | 240.444 | 3.8   | 102   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.991  | 8.0   | 91    | -0.02    |
| 15 T  | Acrylonitrile               | 250.000 | 252.005 | -0.8  | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 285.402 | -14.2 | 115   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 39.085  | 21.8  | 84    | -0.02    |
| 18 T  | Methyl Acetate              | 50.000  | 44.235  | 11.5  | 89    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.192  | -2.4  | 100   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.640  | 8.7   | 95    | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.620  | 10.8  | 91    | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 48.241  | 3.5   | 94    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 253.614 | -1.4  | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.632  | 6.7   | 95    | -0.01    |
| 25 T  | 2-Butanone                  | 250.000 | 267.725 | -7.1  | 112   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.924  | 0.2   | 100   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.375  | 5.3   | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.278  | -6.6  | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 262.227 | -4.9  | 104   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.836  | 2.3#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.218  | 15.6  | 88    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.451  | 3.1   | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.520  | 7.0   | 91    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.841  | 0.3   | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.829  | 4.3   | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.530  | -3.1  | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.460  | -0.9  | 99    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.613  | -5.2  | 95    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.302  | 5.4   | 94    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.342  | -6.7  | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.567  | 0.9   | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.825  | 4.3   | 95    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.155  | 3.7   | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.364  | 1.3#  | 96    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.331  | 1.3   | 97    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.937  | 0.1   | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.245  | -6.5  | 98    | 0.00     |

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 VSTDCCC050

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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 | 1067.991 | -6.8  | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.783   | 0.4   | 91    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 272.681  | -9.1  | 100   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.893   | -1.8# | 96    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.744   | 0.5   | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.535   | -1.1  | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.961   | -1.9  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 57.102   | -14.2 | 97    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.662   | -1.3  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 274.890  | -10.0 | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 289.044  | -15.6 | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.707   | -7.4  | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.512   | -1.0  | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.994   | 0.0   | 90    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.302   | -2.6  | 102   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.471   | 3.1   | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.745   | -1.5  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.895   | -3.8# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.688  | -3.7  | 94    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.315   | -6.6  | 96    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.864   | -5.7  | 95    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.640   | -7.3  | 100   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.098   | -0.2  | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.546   | 0.9   | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.674   | 6.7   | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 43.975   | 12.0  | 97    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.265   | 7.5   | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.296   | -0.6  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.502   | 3.0   | 97    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.302   | -4.6  | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.556   | -7.1  | 110   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.727   | 6.5   | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.922   | -3.8  | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.510   | -3.0  | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.824   | -3.6  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.758   | -7.5  | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 44.831   | 10.3  | 97    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.971   | 2.1   | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.100   | 1.8   | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 44.933   | 10.1  | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.484   | 7.0   | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.712   | 2.6   | 105   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 45.957   | 8.1   | 101   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.550   | 4.9   | 107   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.414   | 1.2   | 101   | 0.00     |

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Misc : 5.0mL/MSVOA\_N/WATER  
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 | 46.377 | 7.2  | 102   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6