

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051022\  
 Data File : VN072395.D  
 Acq On : 10 May 2022 16:03  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN051022

Quant Time: May 11 03:00:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 10 15:43:28 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   | 101   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.772  | 6.5   | 103   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.266  | -0.5  | 101   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.598  | 6.8#  | 101   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.208  | 7.6   | 105   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.282  | -0.6  | 103   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.430  | 5.1   | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.480  | 3.0   | 100   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.576  | 2.8   | 106   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.753  | 4.5   | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 220.878 | 11.6  | 99    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.659  | 6.7#  | 102   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 212.161 | 15.1  | 89    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.653  | 0.7   | 104   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 236.309 | 5.5   | 98    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 233.464 | 6.6   | 103   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.250  | 5.5   | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.071  | 7.9   | 99    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.037  | -0.1  | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.249  | 9.5   | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.473  | 5.1   | 101   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.711  | 2.6   | 104   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 248.917 | 0.4   | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.030  | 3.9   | 103   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 228.321 | 8.7   | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.283  | 1.4   | 107   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.827  | 4.3   | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.201  | 5.6   | 102   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 237.405 | 5.0   | 98    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.773  | 4.5#  | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.842  | 8.3   | 103   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.988  | 6.0   | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.716  | 12.6  | 100   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.772  | 6.5   | 102   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.868  | 0.3   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.714  | 6.6   | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.568  | 2.9   | 101   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 55.308  | -10.6 | 108   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.082  | 1.8   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.362  | -8.7  | 115   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.577  | 4.8   | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.178  | 1.6   | 101   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.510  | 3.0   | 102   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.752  | -1.5# | 103   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.861  | 4.3   | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.623  | 0.8   | 102   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.662  | -5.3  | 102   | 0.00     |

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 Sample : VSTDICV050  
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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN051022

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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 | 1026.993 | -2.7  | 102   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.325   | 3.3   | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 250.631  | -0.3  | 98    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.162   | -2.3# | 102   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.046   | -6.1  | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.615   | -7.2  | 104   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.895   | 4.2   | 101   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.968   | -9.9  | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.961   | 0.1   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 242.689  | 2.9   | 110   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 257.182  | -2.9  | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.105   | -2.2  | 102   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.150   | -2.3  | 103   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.777   | -1.6  | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.406   | 3.2   | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.387   | -0.8  | 103   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.545   | 2.9   | 102   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.656   | -7.3# | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 108.336  | -8.3  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.613   | -9.2  | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.137   | -14.3 | 104   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.474   | -0.9  | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.469   | -0.9  | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.989   | 0.0   | 103   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 42.235   | 15.5  | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.261   | 15.5  | 96    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.043   | 3.9   | 103   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.266   | -6.5  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.705   | 0.6   | 105   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.894   | -3.8  | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.589   | 2.8   | 99    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.857   | -1.7  | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.787   | -3.6  | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.720   | -3.4  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.941   | -5.9  | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 56.188   | -12.4 | 106   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.341   | 1.3   | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.536   | 2.9   | 106   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.646   | -13.3 | 108   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.706   | 2.6   | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.557   | 2.9   | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.542   | -1.1  | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 57.202   | -14.4 | 105   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.724   | -1.4  | 109   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.219   | 5.6   | 102   | 0.00     |

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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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 | 57.849 | -15.7 | 105   | 0.00     |

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