

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072622\  
 Data File : VY009700.D  
 Acq On : 26 Jul 2022 14:45  
 Operator : KP/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY072622

Quant Time: Jul 27 04:25:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072622S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 27 04:24:58 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  | 46.806  | 6.4   | 101   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.081  | -2.2  | 102   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.296  | -0.6# | 101   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.207  | -4.4  | 105   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.511  | -3.0  | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.630  | 0.7   | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.959  | 6.1   | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.563  | 0.9   | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.717  | 2.6   | 91    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 209.790 | 16.1  | 90    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.513  | -1.0# | 101   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 222.748 | 10.9  | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.423  | 1.2   | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 236.864 | 5.3   | 94    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 274.547 | -9.8  | 94    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.473  | -2.9  | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.590  | 10.8  | 94    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.216  | 1.6   | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.776  | 2.4   | 100   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.481  | -1.0  | 101   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.340  | -0.7  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 237.782 | 4.9   | 96    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.697  | 0.6   | 101   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 253.375 | -1.4  | 94    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.122  | 3.8   | 100   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.519  | 1.0   | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.175  | -0.3  | 102   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 235.546 | 5.8   | 91    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.109  | 1.8#  | 100   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.070  | 1.9   | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.655  | 0.7   | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.643  | 4.7   | 100   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 101   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 45.806  | 8.4   | 102   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.427  | -0.9  | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 45.069  | 9.9   | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.616  | -1.2  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.134  | -4.3  | 100   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.723  | 0.6   | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 41.154  | 17.7  | 81    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.273  | 1.5   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.248  | 3.5   | 94    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.107  | -0.2  | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.656  | 0.7#  | 99    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.205  | 1.6   | 97    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.316  | -0.6  | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.455  | -0.9  | 97    | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICSVY072622

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072622S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 27 04:24:58 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 | 874.102 | 12.6  | 102   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.942  | 4.1   | 110   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 248.831 | 0.5   | 102   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.675  | -3.3# | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.041  | -2.1  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.690  | -1.4  | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.139  | 1.7   | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.035  | -6.1  | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.884  | 0.2   | 106   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 236.090 | 5.6   | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 263.220 | -5.3  | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.964  | 0.1   | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.817  | 0.4   | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.078  | 5.8   | 97    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.139  | 1.7   | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.479  | 1.0   | 100   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.013  | -0.0  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.225  | -2.5# | 101   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.757 | -3.8  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.263  | 1.5   | 95    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.602  | 0.8   | 95    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.761  | 4.5   | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.276  | -4.6  | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 46.802  | 6.4   | 79    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.925  | 0.2   | 89    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.237  | 3.5   | 85    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.102  | -6.2  | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.437  | -4.9  | 93    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.684  | -1.4  | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.761  | -5.5  | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.871  | 0.3   | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.342  | -2.7  | 92    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.893  | -3.8  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.926  | -5.9  | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.324  | -0.6  | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.538  | -3.1  | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.197  | -0.4  | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.497  | 1.0   | 93    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.711  | -5.4  | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.736  | -1.5  | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.201  | -2.4  | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.684  | -1.4  | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.605  | -9.2  | 100   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.626  | -7.3  | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 55.527  | -11.1 | 96    | 0.00     |

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Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY072622

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Quant Title : SW846 8260  
QLast Update : Wed Jul 27 04:24:58 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.972 | -7.9 | 100   | 0.00     |

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