

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051722\  
 Data File : VD073058.D  
 Acq On : 17 May 2022 15:16  
 Operator : VA/SY  
 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD051722

Quant Time: May 18 04:58:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 04:58:34 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   | 125   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 39.972  | 20.1  | 122   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.232  | 15.5  | 120   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.427  | 11.1# | 123   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.227  | 15.5  | 118   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.208  | 9.6   | 126   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.523  | 11.0  | 125   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.571  | 8.9   | 119   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 43.471  | 13.1  | 122   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 44.984  | 10.0  | 130   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 163.688 | 34.5# | 138   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.820  | 8.4#  | 126   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 198.994 | 20.4  | 109   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.409  | 3.2   | 129   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 223.701 | 10.5  | 112   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 241.666 | 3.3   | 129   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.545  | 8.9   | 125   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 42.341  | 15.3  | 120   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.086  | 3.8   | 122   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 40.336  | 19.3  | 120   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.516  | 7.0   | 123   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.037  | 3.9   | 121   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 245.442 | 1.8   | 120   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.689  | 8.6   | 122   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 234.824 | 6.1   | 123   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.416  | 5.2   | 129   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.265  | 5.5   | 124   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.187  | 9.6   | 119   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 232.324 | 7.1   | 114   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 44.682  | 10.6# | 120   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.560  | 8.9   | 128   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.359  | 7.3   | 124   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.296  | 13.4  | 111   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 128   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.056  | 7.9   | 116   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.840  | 8.3   | 125   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 45.315  | 9.4   | 117   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.690  | 8.6   | 123   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.941  | 4.1   | 128   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.468  | 7.1   | 123   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.602  | 2.8   | 120   | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 44.190  | 11.6  | 116   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.671  | 8.7   | 118   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.575  | 8.8   | 125   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 44.524  | 11.0# | 119   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 42.799  | 14.4  | 114   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 43.869  | 12.3  | 116   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.733  | 6.5   | 114   | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD051722

Quant Time: May 18 04:58:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 04:58:34 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 | 903.119 | 9.7   | 112   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.933  | 4.1   | 118   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 230.527 | 7.8   | 115   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.991  | 6.0#  | 122   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 45.918  | 8.2   | 119   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.578  | 6.8   | 122   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 43.419  | 13.2  | 115   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.265  | 3.5   | 118   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 43.936  | 12.1  | 115   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 203.115 | 18.8  | 110   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 245.653 | 1.7   | 121   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 43.342  | 13.3  | 115   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 43.778  | 12.4  | 117   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 45.590  | 8.8   | 112   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 122   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.628  | 4.7   | 123   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.471  | 3.1   | 122   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 46.264  | 7.5   | 118   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.777  | -1.6# | 123   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.198 | -2.2  | 124   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.528  | -3.1  | 123   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.724  | -1.4  | 119   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.407  | 7.2   | 113   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 116   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 55.118  | -10.2 | 127   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.894  | -5.8  | 117   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.071  | 3.9   | 112   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.973  | 10.1  | 107   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.350  | -2.7  | 119   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.335  | -8.7  | 124   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.069  | -4.1  | 120   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.003  | -8.0  | 123   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.685  | -1.4  | 114   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.977  | -4.0  | 121   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.885  | -9.8  | 127   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.849  | -7.7  | 122   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.267  | -8.5  | 126   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.767  | -9.5  | 124   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.862  | 0.3   | 117   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.445  | 1.1   | 117   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.387  | -8.8  | 124   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.022  | -2.0  | 123   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.983  | 0.0   | 118   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.548  | 2.9   | 114   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.315  | -6.6  | 121   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.905  | 0.2   | 121   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.695  | 6.6   | 119   | 0.00     |

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Sample : VSTDICV050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD051722

Quant Time: May 18 04:58:51 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 18 04:58:34 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 | 51.460 | -2.9 | 117   | 0.00     |

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