

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD033122\  
 Data File : VD072493.D  
 Acq On : 31 Mar 2022 17:16  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 01 02:51:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 02:44:36 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   | 89    | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.396  | -4.8  | 83    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 53.523  | -7.0  | 80    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.898  | -1.8# | 82    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.259  | -6.5  | 84    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.499  | -9.0  | 83    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.042  | -8.1  | 83    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.320  | 3.4   | 78    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.942  | -3.9  | 83    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.742  | 0.5   | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 208.679 | 16.5  | 73    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.129  | -8.3# | 82    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 113.856 | 54.5# | 64    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.608  | 4.8   | 78    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 224.533 | 10.2  | 75    | -0.01    |
| 16 T  | Acetone                     | 250.000 | 197.330 | 21.1  | 65    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.698  | -3.4  | 81    | -0.01    |
| 18 T  | Methyl Acetate              | 50.000  | 38.319  | 23.4  | 74    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.207  | 3.6   | 78    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.628  | 8.7   | 81    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.948  | -3.9  | 83    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.137  | -0.3  | 80    | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 234.179 | 6.3   | 76    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.560  | -3.1  | 84    | -0.01    |
| 25 T  | 2-Butanone                  | 250.000 | 217.533 | 13.0  | 71    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.268  | -2.5  | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.499  | -7.0  | 85    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.727  | 4.5   | 81    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 222.429 | 11.0  | 71    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.202  | -2.4# | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.395  | -4.8  | 80    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.441  | -6.9  | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 40.786  | 18.4  | 73    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 43.687  | 12.6  | 75    | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.894  | -3.8  | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.835  | 4.3   | 76    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.943  | -11.9 | 85    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.781  | -1.6  | 82    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 56.025  | -12.0 | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.499  | -3.0  | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.295  | -4.6  | 81    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.150  | 3.7   | 75    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.612  | -9.2  | 82    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.707  | -7.4# | 84    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.674  | -5.3  | 81    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.829  | -3.7  | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.480  | -1.0  | 81    | 0.00     |

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 02:44:36 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 | 932.704 | 6.7    | 78    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 43.949  | 12.1   | 76    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 235.589 | 5.8    | 74    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 56.898  | -13.8# | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.255  | -4.5   | 80    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.406  | -4.8   | 81    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.122  | -4.2   | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.150  | 5.7    | 76    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.627  | -3.3   | 83    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 240.815 | 3.7    | 77    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 235.086 | 6.0    | 72    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.315  | -2.6   | 83    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.706  | -3.4   | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 43.670  | 12.7   | 78    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 86    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 55.032  | -10.1  | 84    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.626  | -7.3   | 84    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.548  | -7.1   | 86    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.551  | -11.1# | 84    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 113.224 | -13.2  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.654  | -11.3  | 85    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.565  | -11.1  | 85    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.282  | -0.6   | 82    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 88    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.488  | -9.0   | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.223  | 5.6    | 76    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.520  | 7.0    | 81    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.160  | -0.3   | 75    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.441  | -4.9   | 84    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.538  | -9.1   | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.719  | -7.4   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.644  | -7.3   | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.236  | 1.5    | 80    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.219  | -6.4   | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.320  | -8.6   | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.305  | -8.6   | 88    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.895  | -7.8   | 85    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.864  | -9.7   | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.688  | -5.4   | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.823  | -1.6   | 85    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.925  | -7.8   | 85    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.999  | -4.0   | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.238  | -4.5   | 86    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.854  | 2.3    | 83    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.318  | -4.6   | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.846  | -5.7   | 89    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.859  | 6.3    | 78    | 0.00     |

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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 | 51.171 | -2.3 | 84    | 0.00     |

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