

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080322\  
 Data File : VD073938.D  
 Acq On : 03 Aug 2022 11:41  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 04 02:49:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 02 05:13:57 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    | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.388  | 1.2    | 88    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.823  | 0.4    | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 56.919  | -13.8# | 94    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.826  | -5.7   | 95    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 53.718  | -7.4   | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.917  | 4.2    | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.801  | 4.4    | 86    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.858  | 6.3    | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.062  | 9.9    | 73    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 269.281 | -7.7   | 100   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.112  | 5.8#   | 83    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 250.121 | -0.0   | 83    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.472  | 7.1    | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 235.752 | 5.7    | 87    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 286.468 | -14.6  | 100   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.874  | 4.3    | 82    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.231  | 3.5    | 85    | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.459  | 3.1    | 87    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 41.942  | 16.1   | 82    | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.648  | 2.7    | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.711  | 4.6    | 85    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 251.137 | -0.5   | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.231  | 5.5    | 85    | -0.01    |
| 25 T  | 2-Butanone                  | 250.000 | 265.129 | -6.1   | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.676  | 8.6    | 84    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.524  | 7.0    | 83    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.002  | -0.0   | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 248.477 | 0.6    | 89    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.386  | 5.2#   | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.200  | 7.6    | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.401  | 7.2    | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.919  | -5.8   | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 45.292  | 9.4    | 95    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.097  | 3.8    | 85    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.565  | 2.9    | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.452  | 5.1    | 84    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.276  | 5.4    | 82    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.256  | 5.5    | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.170  | -0.3   | 94    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.458  | 5.1    | 86    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.378  | 3.2    | 89    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.483  | 9.0    | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.924  | 6.2#   | 84    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.815  | 2.4    | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 47.445  | 5.1    | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.640  | 2.7    | 87    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

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 MSVOA\_D  
 LabSampleId :  
 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 | 939.084 | 6.1  | 90    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 43.473  | 13.1 | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 246.402 | 1.4  | 90    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.551  | 4.9# | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.155  | 7.7  | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.472  | 5.1  | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.261  | 5.5  | 87    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.740  | 2.5  | 87    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.797  | 4.4  | 85    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 257.006 | -2.8 | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 268.956 | -7.6 | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.469  | 5.1  | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.838  | 4.3  | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.445  | 5.1  | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 42.798  | 14.4 | 84    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 45.152  | 9.7  | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 45.632  | 8.7  | 85    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 46.442  | 7.1# | 84    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 94.819  | 5.2  | 84    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 45.656  | 8.7  | 83    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.012  | 4.0  | 86    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.850  | 4.3  | 88    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 43.770  | 12.5 | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 43.860  | 12.3 | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.456  | 9.1  | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.068  | 11.9 | 85    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 43.213  | 13.6 | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 44.994  | 10.0 | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 43.338  | 13.3 | 85    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 44.729  | 10.5 | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.767  | 12.5 | 82    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 44.419  | 11.2 | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 44.201  | 11.6 | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 45.431  | 9.1  | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 44.430  | 11.1 | 85    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 45.294  | 9.4  | 86    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 43.857  | 12.3 | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 43.576  | 12.8 | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.270  | 9.5  | 87    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.026  | 9.9  | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 44.383  | 11.2 | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.840  | 4.3  | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 42.863  | 14.3 | 88    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 43.693  | 12.6 | 89    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 44.110  | 11.8 | 89    | 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 | 43.347 | 13.3 | 91    | 0.00     |

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