

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042822\  
 Data File : VD072719.D  
 Acq On : 28 Apr 2022 11:29  
 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: Apr 29 01:20:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D042722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 27 16:01:06 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    | 99    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.397  | 3.2    | 115   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.607  | 6.8    | 110   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.885  | 4.2#   | 113   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.590  | 4.8    | 110   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.220  | 5.6    | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.709  | 0.6    | 118   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.864  | 6.3    | 104   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.286  | -0.6   | 118   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.619  | 4.8    | 116   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 363.613 | -45.4# | 133   | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.654  | -1.3#  | 117   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 235.434 | 5.8    | 106   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.293  | -0.6   | 115   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 239.038 | 4.4    | 104   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 264.211 | -5.7   | 113   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.617  | 0.8    | 113   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.424  | 7.2    | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.450  | 3.1    | 104   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 35.978  | 28.0#  | 84    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.546  | 2.9    | 112   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.092  | 1.8    | 106   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 248.268 | 0.7    | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.854  | 4.3    | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 249.336 | 0.3    | 108   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.161  | -0.3   | 115   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.162  | 1.7    | 110   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.883  | 2.2    | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 241.752 | 3.3    | 101   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.068  | 3.9#   | 109   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.629  | 0.7    | 118   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.296  | -0.6   | 116   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.022  | 4.0    | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.725  | -3.5   | 112   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.857  | -3.7   | 115   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.556  | 0.9    | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.634  | -3.3   | 118   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.522  | -7.0   | 119   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.487  | -1.0   | 112   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.459  | -6.9   | 111   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.109  | 3.8    | 107   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.113  | -0.2   | 104   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.340  | -0.7   | 114   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.976  | 2.0#   | 106   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.382  | 3.2    | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.005  | 2.0    | 107   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.410  | -2.8   | 105   | 0.00     |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed Apr 27 16:01:06 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 | 1033.389 | -3.3  | 109   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.207   | -6.4  | 118   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 246.815  | 1.3   | 101   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.441   | -2.9# | 112   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.776   | -1.6  | 109   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.581   | -1.2  | 108   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.674   | 4.7   | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.953   | -5.9  | 106   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.051   | 1.9   | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 263.726  | -5.5  | 108   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 264.601  | -5.8  | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.832   | 2.3   | 107   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.479   | -1.0  | 106   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.644   | -3.3  | 113   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.707   | -1.4  | 114   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.662   | 0.7   | 111   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.427   | 1.1   | 110   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.234   | -4.5# | 114   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.741  | -3.7  | 111   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.388   | -2.8  | 110   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.020   | -6.0  | 112   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.788   | 4.4   | 105   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.945   | -7.9  | 115   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.650   | -3.3  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.277   | 1.4   | 102   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.308   | -0.6  | 103   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.599   | -1.2  | 107   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.097   | -8.2  | 114   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.219   | -4.4  | 112   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.916   | -7.8  | 113   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.771   | -1.5  | 107   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.565   | -5.1  | 112   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.524   | -9.0  | 116   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.266   | -6.5  | 113   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.203   | -8.4  | 117   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.983   | -8.0  | 114   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.305   | -0.6  | 109   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.171   | -0.3  | 109   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.306   | -8.6  | 116   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.002   | -6.0  | 116   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.416   | -0.8  | 109   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.570   | -1.1  | 110   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.275   | -4.5  | 110   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.006   | -4.0  | 115   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.808   | -5.6  | 106   | 0.00     |

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Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_D  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Wed Apr 27 16:01:06 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 | 52.186 | -4.4 | 110   | 0.00     |

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