

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092721\  
 Data File : VD070468.D  
 Acq On : 27 Sep 2021 10:47  
 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: Sep 28 04:09:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 09 03:07:09 2021  
 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   | 85    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.772  | 8.5   | 83    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.233  | 9.5   | 83    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.675  | 8.7#  | 90    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.382  | 7.2   | 85    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.925  | 2.2   | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.153  | 5.7   | 87    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.544  | 6.9   | 79    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.102  | 3.8   | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.838  | 6.3   | 78    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 93.889  | 62.4# | 46    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.639  | 4.7#  | 84    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 208.473 | 16.6  | 75    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.517  | 7.0   | 84    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 230.978 | 7.6   | 84    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 296.084 | -18.4 | 112   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.514  | 15.0  | 78    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.822  | 8.4   | 84    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.309  | 3.4   | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.672  | -1.3  | 85    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.761  | 4.5   | 84    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.932  | 4.1   | 84    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 242.120 | 3.2   | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 44.916  | 10.2  | 83    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 243.555 | 2.6   | 91    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.224  | 1.6   | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.067  | 3.9   | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 44.866  | 10.3  | 83    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 233.087 | 6.8   | 85    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.322  | 7.4#  | 86    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.623  | 6.8   | 86    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.577  | 4.8   | 87    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.444  | 9.1   | 88    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.732  | -1.5  | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.695  | -3.4  | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.385  | 5.2   | 84    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.671  | -7.3  | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 54.204  | -8.4  | 84    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.612  | -1.2  | 83    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.153  | 3.7   | 86    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.593  | 2.8   | 85    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.901  | 6.2   | 82    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.300  | -2.6  | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.139  | -0.3# | 86    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.349  | 1.3   | 84    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.997  | 0.0   | 85    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.040  | 1.9   | 81    | 0.00     |

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 Sample : VSTDCCC050  
 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  
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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 | 1080.258 | -8.0   | 82    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.743   | -7.5   | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 252.459  | -1.0   | 85    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.659   | -7.3#  | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.987   | -4.0   | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.263   | -2.5   | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.358   | -0.7   | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.216   | -6.4   | 81    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.863   | -1.7   | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 282.126  | -12.9  | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 284.897  | -14.0  | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.983   | -2.0   | 82    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.147   | -0.3   | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.357   | -4.7   | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 80    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.620   | -7.2   | 84    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.506   | -5.0   | 84    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.305   | -6.6   | 86    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.619   | -11.2# | 85    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 115.467  | -15.5  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.126   | -12.3  | 82    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 58.732   | -17.5  | 84    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.713   | -3.4   | 82    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 84    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.381   | -12.8  | 87    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.916   | 2.2    | 85    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.948   | 4.1    | 85    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.945   | 4.1    | 82    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.957   | -1.9   | 83    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 55.681   | -11.4  | 87    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.719   | -7.4   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.074   | -12.1  | 85    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.147   | -8.3   | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.526   | -7.1   | 85    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 56.869   | -13.7  | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.876   | -13.8  | 86    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 57.203   | -14.4  | 89    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.328   | -16.7  | 88    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.405   | -4.8   | 85    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.917   | -1.8   | 85    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.042   | -12.1  | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.190   | -2.4   | 89    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.637   | -1.3   | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.669   | 4.7    | 86    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.447   | -4.9   | 86    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.231   | -4.5   | 92    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.944   | -5.9   | 91    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

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Quant Title : SW846 8260  
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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 | 51.361 | -2.7 | 93    | 0.00     |

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