

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060623\  
 Data File : VD076331.D  
 Acq On : 06 Jun 2023 09:59  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 07 06:09:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 06 02:52:23 2023  
 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   | 107   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.897  | 14.2  | 100   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.768  | 10.5  | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.970  | 10.1# | 100   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.943  | 6.1   | 104   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.724  | 6.6   | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.664  | 8.7   | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.769  | 2.5   | 104   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.823  | 6.4   | 105   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.825  | 0.3   | 98    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 232.017 | 7.2   | 100   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.284  | 3.4#  | 105   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 245.913 | 1.6   | 106   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.860  | 0.3   | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 245.691 | 1.7   | 102   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 288.206 | -15.3 | 113   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.077  | 5.8   | 103   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.367  | 7.3   | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.461  | -2.9  | 103   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.894  | 6.2   | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.560  | 2.9   | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.523  | -3.0  | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 276.630 | -10.7 | 104   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.837  | 4.3   | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 252.312 | -0.9  | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.874  | 4.3   | 108   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.768  | 2.5   | 101   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.979  | 4.0   | 102   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 243.293 | 2.7   | 98    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.864  | 4.3#  | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.121  | 7.8   | 105   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.730  | 4.5   | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.664  | 4.7   | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.881  | 0.2   | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.198  | 1.6   | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.709  | 2.6   | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.019  | 4.0   | 103   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.891  | 0.2   | 104   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.427  | 1.1   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.613  | -1.2  | 117   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.875  | 4.3   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.930  | 0.1   | 103   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.572  | 2.9   | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.834  | 2.3#  | 100   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.428  | 3.1   | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.752  | 0.5   | 100   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.424  | -2.8  | 98    | 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 Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 06 02:52:23 2023  
 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 | 975.247 | 2.5   | 94    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.599  | -3.2  | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 248.089 | 0.8   | 101   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.704  | -1.4# | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.375  | 1.3   | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.814  | -1.6  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.507  | 3.0   | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.910  | -3.8  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.904  | 2.2   | 99    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 250.754 | -0.3  | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 274.161 | -9.7  | 109   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.831  | 2.3   | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.551  | 0.9   | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.176  | -4.4  | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.977  | 2.0   | 102   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.679  | 0.6   | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.685  | 0.6   | 102   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.219  | -2.4# | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.251 | -2.3  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.899  | -3.8  | 102   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.657  | -5.3  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.622  | 0.8   | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.756  | -3.5  | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.794  | 0.4   | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.339  | 3.3   | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.232  | -6.5  | 119   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.649  | -3.3  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.194  | -4.4  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.209  | -2.4  | 102   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.503  | -5.0  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.477  | -5.0  | 105   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.705  | -3.4  | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.593  | -3.2  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.864  | -5.7  | 101   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.590  | -3.2  | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.772  | -5.5  | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.783  | -1.6  | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.274  | 1.5   | 101   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.935  | -3.9  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.223  | 1.6   | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.003  | -0.0  | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.037  | 7.9   | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.068  | -6.1  | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.059  | -0.1  | 105   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.994  | 6.0   | 100   | 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 | 51.755 | -3.5 | 99    | 0.00     |

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