

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061421\  
 Data File : VD069437.D  
 Acq On : 14 Jun 2021 20:06  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 15 07:31:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 11 12:50:13 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   | 114   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.330  | 13.3  | 101   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.922  | 16.2  | 97    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.586  | 14.8# | 97    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.787  | 6.4   | 108   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.379  | 11.2  | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.324  | 7.4   | 110   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.941  | -5.9  | 116   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.800  | 8.4   | 108   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.591  | 6.8   | 108   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 226.917 | 9.2   | 110   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.030  | 3.9#  | 108   | -0.01    |
| 13 T  | Acrolein                    | 250.000 | 243.378 | 2.6   | 104   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.888  | 0.2   | 113   | -0.01    |
| 15 T  | Acrylonitrile               | 250.000 | 258.858 | -3.5  | 116   | -0.01    |
| 16 T  | Acetone                     | 250.000 | 204.272 | 18.3  | 89    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.410  | 5.2   | 106   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.843  | -5.7  | 124   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.198  | -12.4 | 121   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 57.800  | -15.6 | 127   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.737  | -1.5  | 114   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.849  | -9.7  | 117   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 245.176 | 1.9   | 113   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.881  | 0.2   | 116   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 257.522 | -3.0  | 111   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.598  | 6.8   | 108   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.009  | -4.0  | 116   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.188  | -2.4  | 111   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 271.646 | -8.7  | 114   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.064  | -0.1# | 117   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.779  | 10.4  | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.258  | 1.5   | 113   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.311  | -2.6  | 117   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 120   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.548  | -3.1  | 121   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.880  | 4.2   | 110   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.045  | -0.1  | 113   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.436  | 7.1   | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.359  | 1.3   | 110   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.592  | 0.8   | 115   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 58.936  | -17.9 | 140   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.046  | 1.9   | 117   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.299  | -0.6  | 114   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.381  | 1.2   | 117   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.341  | -0.7# | 117   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.520  | -3.0  | 122   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.139  | -0.3  | 119   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.716  | -5.4  | 116   | 0.00     |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Fri Jun 11 12:50:13 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| ----- |                             |          |          |       |       |          |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1084.798 | -8.5  | 117   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.840   | -3.7  | 117   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 262.748  | -5.1  | 113   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.684   | -3.4# | 117   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.710   | -3.4  | 118   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.787   | -1.6  | 117   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.392   | -2.8  | 121   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 49.522   | 1.0   | 119   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.216   | -4.4  | 121   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.124  | -3.2  | 121   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 268.311  | -7.3  | 114   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.821   | -3.6  | 121   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.801   | -3.6  | 121   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.452   | -6.9  | 123   | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 126   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.871   | 6.3   | 118   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.839   | 2.3   | 120   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.624   | 2.8   | 121   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.192   | -0.4# | 117   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.241   | 0.8   | 113   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.740   | -5.5  | 120   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.319   | -4.6  | 118   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.394   | 1.2   | 120   | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 119   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.621   | -5.2  | 116   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.277   | -4.6  | 114   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.794   | 0.4   | 118   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.055   | 5.9   | 109   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.132   | -2.3  | 119   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.778   | -1.6  | 110   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.261   | -2.5  | 114   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.935   | -5.9  | 114   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.324   | 1.4   | 110   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.904   | -1.8  | 114   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.278   | -2.6  | 113   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.965   | -5.9  | 114   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.503   | -1.0  | 110   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.287   | -2.6  | 109   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.994   | 2.0   | 113   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.271   | 3.5   | 114   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.120   | -0.2  | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.864   | 8.3   | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.767   | 0.5   | 115   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.434   | -2.9  | 125   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.787   | -3.6  | 115   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.067   | 3.9   | 108   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.024   | -0.0  | 122   | 0.00     |

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ALS Vial : 22 Sample Multiplier: 1

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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 | 52.332 | -4.7 | 114   | 0.00     |

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