

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030321\  
 Data File : VD068514.D  
 Acq On : 03 Mar 2021 15:56  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 04 00:04:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 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   | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 40.730  | 18.5  | 79    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.641  | 10.7  | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.585  | 12.8# | 85    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.908  | 8.2   | 95    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.312  | 9.4   | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.194  | 9.6   | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.420  | 5.2   | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.703  | 8.6   | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.865  | 6.3   | 93    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 238.052 | 4.8   | 102   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.736  | 8.5#  | 89    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 243.287 | 2.7   | 93    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.508  | 1.0   | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 254.734 | -1.9  | 100   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 213.968 | 14.4  | 81    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.475  | 7.0   | 90    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.282  | -2.6  | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.184  | -8.4  | 108   | -0.01    |
| 20 T  | Methylene Chloride          | 50.000  | 55.288  | -10.6 | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 54.491  | -9.0  | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.573  | 8.9   | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 230.174 | 7.9   | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.382  | 7.2   | 91    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 222.430 | 11.0  | 88    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.484  | 9.0   | 89    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.450  | 3.1   | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.522  | 3.0   | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 217.100 | 13.2  | 85    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.289  | 5.4#  | 93    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 39.449  | 21.1  | 80    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.252  | 5.5   | 93    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.435  | 1.1   | 97    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.132  | -2.3  | 100   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.493  | 11.0  | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 42.286  | 15.4  | 86    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.046  | 7.9   | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 43.198  | 13.6  | 82    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.453  | 7.1   | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 45.929  | 8.1   | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.441  | 7.1   | 90    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.448  | 7.1   | 90    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.095  | 3.8   | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.519  | 5.0#  | 91    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.131  | 3.7   | 97    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.414  | 3.2   | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 41.189  | 17.6  | 81    | 0.00     |

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 ALS Vial : 13 Sample Multiplier: 1

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 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 | 900.748 | 9.9  | 90    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.765  | 0.5  | 98    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 225.296 | 9.9  | 87    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.567  | 4.9# | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.655  | 4.7  | 95    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.792  | 6.4  | 91    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.821  | 2.4  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.356  | 5.3  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.490  | 7.0  | 92    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 251.362 | -0.5 | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 230.809 | 7.7  | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.598  | 0.8  | 96    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.429  | 3.1  | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.960  | 0.1  | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.665  | 6.7  | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.900  | 6.2  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.775  | 4.5  | 94    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 46.521  | 7.0# | 91    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 94.097  | 5.9  | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.019  | 4.0  | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 47.933  | 4.1  | 92    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.666  | -1.3 | 98    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.136  | 9.7  | 89    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 45.637  | 8.7  | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.385  | 11.2 | 91    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.653  | 10.7 | 105   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.304  | 7.4  | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 44.780  | 10.4 | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.816  | 8.4  | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 46.599  | 6.8  | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.981  | 10.0 | 88    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.926  | 8.1  | 90    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.166  | 9.7  | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.325  | 7.3  | 90    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.232  | 7.5  | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 45.926  | 8.1  | 89    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.863  | 6.3  | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.755  | 6.5  | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.619  | 10.8 | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.379  | 5.2  | 90    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.038  | 3.9  | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 42.995  | 14.0 | 88    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.267  | 5.5  | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.987  | 8.0  | 89    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.164  | 7.7  | 90    | 0.00     |

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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 | 46.159 | 7.7  | 92    | 0.00     |

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