

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021921\  
 Data File : VD068394.D  
 Acq On : 19 Feb 2021 11:54  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Feb 19 23:28:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 12 13:30:51 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    | 76    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.127  | 15.7   | 72    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.261  | 11.5   | 75    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.135  | 11.7#  | 73    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.559  | 14.9   | 74    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.577  | 10.8   | 73    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.449  | 11.1   | 73    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.477  | 7.0    | 74    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.307  | 11.4   | 73    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 42.743  | 14.5   | 66    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 331.470 | -32.6# | 107   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 42.852  | 14.3#  | 70    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 259.185 | -3.7   | 73    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.226  | 5.5    | 76    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 241.004 | 3.6    | 77    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 245.601 | 1.8    | 75    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.562  | 14.9   | 72    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.433  | 3.1    | 79    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.571  | 6.9    | 74    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.376  | 7.2    | 72    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.058  | 9.9    | 74    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.823  | 2.4    | 78    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 245.832 | 1.7    | 76    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.592  | 6.8    | 74    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 244.046 | 2.4    | 76    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.470  | 5.1    | 77    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.464  | 7.1    | 76    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.946  | -9.9   | 85    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 239.997 | 4.0    | 77    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.075  | 5.8#   | 76    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.361  | 5.3    | 75    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.183  | 7.6    | 74    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.979  | -4.0   | 78    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 77    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.337  | -6.7   | 80    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.353  | 9.3    | 76    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.018  | 2.0    | 78    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.102  | 7.8    | 75    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.632  | 10.7   | 74    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.136  | 7.7    | 75    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.776  | -11.6  | 83    | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.497  | 7.0    | 75    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.952  | 4.1    | 75    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.838  | 8.3    | 74    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.926  | 4.1#   | 78    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.360  | 7.3    | 76    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.035  | 3.9    | 76    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 44.785  | 10.4   | 76    | 0.00     |

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 ClientSampleId :

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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 | 884.994 | 11.5 | 70    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.419  | -2.8 | 78    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 248.386 | 0.6  | 77    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.470  | 7.1# | 76    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.509  | 1.0  | 78    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.849  | 6.3  | 76    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.335  | 3.3  | 78    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.751  | 4.5  | 74    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.095  | 5.8  | 77    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 259.640 | -3.9 | 81    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 244.405 | 2.2  | 76    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.486  | 5.0  | 77    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 45.587  | 8.8  | 73    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.031  | -2.1 | 80    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 78    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 44.312  | 11.4 | 74    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.606  | 6.8  | 76    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.774  | 4.5  | 77    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.228  | 5.5# | 76    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 93.664  | 6.3  | 76    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 47.144  | 5.7  | 75    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 47.004  | 6.0  | 76    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.721  | 6.6  | 74    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 80    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.265  | 7.5  | 75    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.864  | 0.3  | 78    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.708  | 6.6  | 77    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.880  | 10.2 | 75    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 45.452  | 9.1  | 75    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.555  | 6.9  | 77    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.294  | 7.4  | 76    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 46.648  | 6.7  | 75    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.418  | 3.2  | 77    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.813  | 8.4  | 76    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.138  | 5.7  | 76    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.303  | 5.4  | 77    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.307  | 5.4  | 76    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.674  | 4.7  | 77    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.507  | 7.0  | 77    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.266  | 7.5  | 78    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.008  | 6.0  | 77    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.557  | 2.9  | 79    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.427  | 7.1  | 76    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.837  | 6.3  | 74    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.236  | 5.5  | 76    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.029  | 3.9  | 78    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.222  | 5.6  | 75    | 0.00     |

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ALS Vial : 2 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 | 46.590 | 6.8  | 76    | 0.00     |

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