

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072821\  
 Data File : VD069880.D  
 Acq On : 28 Jul 2021 10:32  
 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: Jul 28 13:11:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:51:13 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   | 101   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.120  | 13.8  | 97    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.538  | 16.9  | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.243  | 11.5# | 96    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.517  | 3.0   | 101   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.601  | 10.8  | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.670  | 6.7   | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.617  | 8.8   | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.504  | 7.0   | 103   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 43.411  | 13.2  | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 216.458 | 13.4  | 100   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.717  | 6.6#  | 98    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 242.544 | 3.0   | 105   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.909  | 6.2   | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 236.068 | 5.6   | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 280.572 | -12.2 | 113   | -0.01    |
| 17 T  | Carbon Disulfide            | 50.000  | 44.896  | 10.2  | 96    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.461  | 11.1  | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.608  | 2.8   | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.332  | 7.3   | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.423  | 5.2   | 98    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.108  | 1.8   | 98    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 223.501 | 10.6  | 98    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.251  | 7.5   | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 253.229 | -1.3  | 104   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.681  | 0.6   | 105   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.889  | 4.2   | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.769  | 0.5   | 103   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 250.600 | -0.2  | 101   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.029  | 7.9#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.078  | 5.8   | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.533  | 4.9   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.553  | 12.9  | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.962  | 6.1   | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.002  | -0.0  | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.599  | 2.8   | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.447  | -2.9  | 104   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.119  | -4.2  | 100   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.846  | 2.3   | 99    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.268  | -0.5  | 106   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.008  | 4.0   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.347  | -0.7  | 102   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.473  | 3.1   | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.795  | 2.4#  | 101   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.449  | 5.1   | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.423  | 3.2   | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.157  | 7.7   | 97    | 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 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 | 1029.805 | -3.0  | 106   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.563   | 4.9   | 97    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 266.556  | -6.6  | 104   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.359   | -2.7# | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.799   | -1.6  | 104   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.753   | 0.5   | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.415   | 1.2   | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.741   | 4.5   | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.749   | 0.5   | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.223  | -3.3  | 109   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 289.429  | -15.8 | 110   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.549   | 0.9   | 102   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.467   | 1.1   | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.232   | 3.5   | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.955   | 2.1   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.024   | -0.0  | 102   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.953   | 0.1   | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.439   | -4.9# | 101   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.438  | -6.4  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.855   | -5.7  | 102   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.382   | -6.8  | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.550   | -1.1  | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.579   | -5.2  | 101   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.781   | -3.6  | 103   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.013   | 2.0   | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.519   | 9.0   | 104   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.472   | 3.1   | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.225   | -6.5  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.733   | -1.5  | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.678   | -5.4  | 101   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.269   | -10.5 | 110   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.982   | -2.0  | 101   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.140   | -4.3  | 101   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.529   | -5.1  | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.241   | -6.5  | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.422   | -6.8  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.785   | 2.4   | 101   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.101   | 3.8   | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.199   | -6.4  | 103   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.681   | 2.6   | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.174   | 1.7   | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.460   | 1.1   | 103   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.695   | -1.4  | 103   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.802   | -1.6  | 103   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.676   | 8.6   | 103   | 0.00     |

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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 | 51.308 | -2.6 | 103   | 0.00     |

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