

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101922\  
 Data File : VD074587.D  
 Acq On : 19 Oct 2022 19:02  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 20 06:49:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 20 06:41:20 2022  
 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    | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.562  | 0.9    | 100   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.024  | -2.0   | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.849  | -3.7#  | 99    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.107  | 9.8    | 98    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.197  | -4.4   | 100   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.200  | -0.4   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.433  | -6.9   | 96    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.298  | -2.6   | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.531  | -1.1   | 100   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 313.802 | -25.5# | 107   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.762  | -3.5#  | 99    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 236.884 | 5.2    | 92    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.427  | 1.1    | 91    | 0.01     |
| 15 T  | Acrylonitrile               | 250.000 | 272.141 | -8.9   | 99    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 209.908 | 16.0   | 80    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.746  | 4.5    | 96    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.128  | -8.3   | 99    | 0.01     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.378  | -10.8  | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.956  | -11.9  | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.670  | -1.3   | 99    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.390  | -8.8   | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 251.069 | -0.4   | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.149  | -4.3   | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 243.515 | 2.6    | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.198  | 3.6    | 97    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.146  | -4.3   | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 57.595  | -15.2  | 104   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 275.943 | -10.4  | 101   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.463  | -4.9#  | 100   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.430  | 5.1    | 97    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.514  | -3.0   | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.012  | 4.0    | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.498  | 5.0    | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.186  | 1.6    | 99    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.307  | 1.4    | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.021  | -0.0   | 98    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.777  | 6.4    | 90    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.961  | -1.9   | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.925  | -1.8   | 114   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.475  | -3.0   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.820  | -5.6   | 99    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.886  | 2.2    | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.315  | 3.4#   | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.005  | 2.0    | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.102  | 1.8    | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.989  | -2.0   | 99    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 20 06:49:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 20 06:41:20 2022  
 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 | 1079.937 | -8.0  | 94    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 45.434   | 9.1   | 89    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 255.519  | -2.2  | 94    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.245   | -0.5# | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.378   | 3.2   | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.368   | 5.3   | 90    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.051   | -2.1  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.917   | -3.8  | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.739   | 0.5   | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 195.265  | 21.9  | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 245.136  | 1.9   | 91    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.675   | 0.7   | 91    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.562   | -1.1  | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.304   | 7.4   | 99    | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.060   | 1.9   | 92    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.800   | -5.6  | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.724   | -7.4  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.603   | -5.2# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.295  | -4.3  | 102   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.682   | -5.4  | 100   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.336   | -8.7  | 103   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.074   | -6.1  | 103   | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.472   | -2.9  | 101   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 53.815   | -7.6  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.032   | -4.1  | 103   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 57.090   | -14.2 | 102   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.891   | -3.8  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.746   | -3.5  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.808   | -1.6  | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.057   | -2.1  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.025   | 2.0   | 103   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.096   | -2.2  | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.296   | -4.6  | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.507   | -3.0  | 100   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.417   | -2.8  | 101   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.089   | -2.2  | 100   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.582   | -1.2  | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.798   | -1.6  | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.628   | -3.3  | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.685   | -1.4  | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.626   | -5.3  | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 54.042   | -8.1  | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.370   | -6.7  | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.783   | -3.6  | 103   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.076   | -6.2  | 105   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Thu Oct 20 06:41:20 2022  
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 | 53.936 | -7.9 | 105   | 0.00     |

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