

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121523\  
 Data File : VD077893.D  
 Acq On : 15 Dec 2023 09:36  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 16 03:56:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 14:48:10 2023  
 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    | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.349  | -0.7   | 94    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 56.073  | -12.1  | 103   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 57.848  | -15.7# | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 69.268  | -38.5# | 121   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 57.160  | -14.3  | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 55.238  | -10.5  | 98    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.790  | -7.6   | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 56.331  | -12.7  | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 62.522  | -25.0# | 115   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 271.504 | -8.6   | 100   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 56.370  | -12.7# | 98    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 235.182 | 5.9    | 86    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.395  | -4.8   | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 285.837 | -14.3  | 103   | 0.01     |
| 16 T  | Acetone                     | 250.000 | 270.829 | -8.3   | 104   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 52.003  | -4.0   | 92    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 58.237  | -16.5  | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.955  | -13.9  | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.118  | -10.2  | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 57.232  | -14.5  | 97    | 0.01     |
| 22 T  | Diisopropyl ether           | 50.000  | 55.868  | -11.7  | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 268.186 | -7.3   | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.518  | -11.0  | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 262.477 | -5.0   | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 57.547  | -15.1  | 102   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 58.862  | -17.7  | 101   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.359  | -2.7   | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 266.502 | -6.6   | 96    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 56.594  | -13.2# | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 51.607  | -3.2   | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 56.055  | -12.1  | 97    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.553  | 0.9    | 87    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.405  | -2.8   | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 56.104  | -12.2  | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.969  | 0.1    | 99    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 57.384  | -14.8  | 99    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.747  | -13.5  | 95    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 57.182  | -14.4  | 99    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.657  | 0.7    | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.828  | -9.7   | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.424  | -10.8  | 100   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 56.121  | -12.2  | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 57.460  | -14.9# | 100   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 57.145  | -14.3  | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 56.472  | -12.9  | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.522  | -7.0   | 95    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 14:48:10 2023  
 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 | 1131.392 | -13.1  | 113   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.829   | -5.7   | 89    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 277.625  | -11.1  | 98    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 58.672   | -17.3# | 98    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 57.363   | -14.7  | 99    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 57.598   | -15.2  | 99    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.935   | -11.9  | 98    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 57.736   | -15.5  | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 57.255   | -14.5  | 99    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 251.388  | -0.6   | 96    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 244.463  | 2.2    | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 58.496   | -17.0  | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.143   | -12.3  | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.980   | -2.0   | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.485   | -13.0  | 96    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 55.114   | -10.2  | 97    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.587   | -15.2  | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 57.916   | -15.8# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 117.943  | -17.9  | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 59.090   | -18.2  | 99    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 60.087   | -20.2  | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 57.759   | -15.5  | 101   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 57.475   | -15.0  | 98    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.916   | -1.8   | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 55.727   | -11.5  | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.423   | 3.2    | 75    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.714   | -9.4   | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 57.063   | -14.1  | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 55.289   | -10.6  | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.444   | -12.9  | 95    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 57.637   | -15.3  | 104   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 56.626   | -13.3  | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 58.321   | -16.6  | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 58.203   | -16.4  | 99    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.719   | -17.4  | 99    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.237   | -16.5  | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 56.300   | -12.6  | 97    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.136   | -10.3  | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.269   | -16.5  | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 59.723   | -19.4  | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 55.669   | -11.3  | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 59.159   | -18.3  | 104   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.833   | -3.7   | 95    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.382   | -10.8  | 95    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.010   | -14.0  | 100   | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 3 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 | 53.859 | -7.7 | 97    | 0.00     |

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