

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110422\  
 Data File : VD074728.D  
 Acq On : 04 Nov 2022 10:12  
 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: Nov 07 00:20:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 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   | 105   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.288  | 9.4   | 104   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.752  | 10.5  | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.678  | 2.6#  | 103   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.053  | 1.9   | 115   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.694  | 2.6   | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.840  | 0.3   | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.068  | 1.9   | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.037  | -0.1  | 107   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.826  | 8.3   | 101   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 103.512 | 58.6# | 70    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.387  | -0.8# | 104   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 218.317 | 12.7  | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.918  | -3.8  | 108   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 238.295 | 4.7   | 99    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 254.370 | -1.7  | 104   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.266  | -0.5  | 103   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 41.041  | 17.9  | 95    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.449  | -0.9  | 104   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 42.110  | 15.8  | 94    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.527  | -3.1  | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.592  | -7.2  | 107   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 296.351 | -18.5 | 123   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.097  | -0.2  | 106   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 238.496 | 4.6   | 101   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.456  | -0.9  | 109   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.191  | -0.4  | 104   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.886  | -3.8  | 111   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 241.401 | 3.4   | 98    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.508  | -1.0# | 106   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.869  | 2.3   | 104   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.907  | -1.8  | 106   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.109  | 1.8   | 109   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 104   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.708  | 0.6   | 111   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.456  | -4.9  | 107   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.227  | 7.5   | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.913  | -5.8  | 109   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.252  | -4.5  | 104   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.542  | -3.1  | 106   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 40.086  | 19.8  | 87    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.128  | -2.3  | 106   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.173  | 3.7   | 101   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.760  | -3.5  | 107   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.248  | -6.5# | 107   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.455  | -2.9  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.080  | -8.2  | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.596  | -3.2  | 102   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 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 | 1023.422 | -2.3   | 98    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.377   | -4.8   | 124   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.698  | -0.7   | 102   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.493   | -11.0# | 120   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 56.149   | -12.3  | 122   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.329   | -8.7   | 108   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.917   | -5.8   | 119   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.204   | -6.4   | 114   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.480   | -7.0   | 119   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 335.767  | -34.3# | 140   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 259.456  | -3.8   | 110   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.775   | -9.5   | 124   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.847   | -5.7   | 119   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.958   | 4.1    | 108   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 115   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.825   | -3.7   | 123   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.069   | 3.9    | 108   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.306   | 1.4    | 109   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.106   | 3.8#   | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 95.965   | 4.0    | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.072   | 3.9    | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.134   | 1.7    | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 45.373   | 9.3    | 100   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.155   | -6.3   | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.570   | -1.1   | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.643   | -1.3   | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.898   | -5.8   | 106   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.175   | -4.3   | 105   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.071   | -6.1   | 104   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.045   | -6.1   | 105   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.224   | -6.4   | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.740   | -9.5   | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.726   | -5.5   | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.714   | -5.4   | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.074   | -8.1   | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.183   | -4.4   | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.059   | -4.1   | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.826   | -1.7   | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.570   | -1.1   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.324   | -4.6   | 102   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.646   | -7.3   | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.552   | -1.1   | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.126   | 7.7    | 96    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.318   | -2.6   | 105   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.355   | 3.3    | 98    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.956   | 0.1    | 97    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_D  
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VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Thu Nov 03 02:30:45 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 | 51.436 | -2.9 | 105   | 0.00     |

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