

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060921\  
 Data File : VD069400.D  
 Acq On : 09 Jun 2021 12:53  
 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: Jun 10 04:02:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 02 02:17:36 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    | 104   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 40.188  | 19.6   | 81    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.756  | 10.5   | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 58.693  | -17.4# | 120   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 57.564  | -15.1  | 122   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 71.183  | -42.4# | 151   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 42.357  | 15.3   | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 43.613  | 12.8   | 87    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.206  | 9.6    | 94    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 38.903  | 22.2   | 76    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 239.989 | 4.0    | 110   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 43.737  | 12.5#  | 87    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 234.056 | 6.4    | 93    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 41.881  | 16.2   | 83    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 213.413 | 14.6   | 85    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 248.327 | 0.7    | 108   | -0.01    |
| 17 T  | Carbon Disulfide            | 50.000  | 40.478  | 19.0   | 80    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 40.037  | 19.9   | 85    | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 43.918  | 12.2   | 86    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.250  | 11.5   | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 43.232  | 13.5   | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.276  | 9.4    | 87    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 208.829 | 16.5   | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 42.775  | 14.5   | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 228.176 | 8.7    | 92    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.704  | 12.6   | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 43.546  | 12.9   | 87    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 44.785  | 10.4   | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 225.211 | 9.9    | 88    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 43.881  | 12.2#  | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.157  | 17.7   | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 43.915  | 12.2   | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 40.867  | 18.3   | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 45.248  | 9.5    | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.670  | 6.7    | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.584  | 10.8   | 85    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.924  | 6.2    | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.159  | 3.7    | 85    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.470  | 9.1    | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.536  | -9.1   | 110   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 45.314  | 9.4    | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.474  | 9.1    | 86    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.197  | 5.6    | 90    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 45.418  | 9.2#   | 87    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 45.769  | 8.5    | 85    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 45.804  | 8.4    | 88    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.859  | 6.3    | 79    | 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 | 985.593 | 1.4   | 92    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 44.591  | 10.8  | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 241.116 | 3.6   | 88    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.098  | 5.8#  | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 45.496  | 9.0   | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 45.744  | 8.5   | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.538  | 6.9   | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 43.630  | 12.7  | 86    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.800  | 6.4   | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 286.040 | -14.4 | 117   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 254.961 | -2.0  | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.117  | 5.8   | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.011  | 6.0   | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.533  | 6.9   | 97    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.269  | 3.5   | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.889  | 6.2   | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.328  | 3.3   | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.233  | 3.5#  | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.245  | 1.8   | 88    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.227  | 1.5   | 87    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.492  | -1.0  | 88    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.173  | 3.7   | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.218  | 3.6   | 88    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 46.254  | 7.5   | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.140  | 9.7   | 89    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.382  | 15.2  | 89    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.221  | 5.6   | 91    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.897  | 2.2   | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.237  | 7.5   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.410  | 3.2   | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.077  | 11.8  | 82    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.371  | 5.3   | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.850  | 2.3   | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.722  | 2.6   | 88    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.655  | 0.7   | 89    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.990  | 0.0   | 89    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.678  | 6.6   | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.276  | 7.4   | 90    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.935  | 2.1   | 87    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.963  | 8.1   | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.704  | 6.6   | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 40.161  | 19.7  | 82    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.040  | 3.9   | 90    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.989  | 2.0   | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 42.282  | 15.4  | 85    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

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LabSampleId :  
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 02 02:17:36 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.532 | 6.9  | 88    | 0.00     |

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