

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030122\  
 Data File : VD072141.D  
 Acq On : 01 Mar 2022 17:14  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 02 06:09:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 19 04:05:38 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  | 43.413  | 13.2  | 91    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 53.163  | -6.3  | 107   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.853  | 0.3#  | 103   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.868  | 0.3   | 97    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.896  | -1.8  | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.153  | 3.7   | 98    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.619  | -9.2  | 107   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.558  | 4.9   | 95    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.371  | 15.3  | 80    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 251.907 | -0.8  | 110   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.566  | 2.9#  | 96    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 227.706 | 8.9   | 100   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.287  | -2.6  | 99    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 257.650 | -3.1  | 103   | -0.01    |
| 16 T  | Acetone                     | 250.000 | 276.012 | -10.4 | 112   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.819  | 8.4   | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.255  | -2.5  | 107   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.726  | -13.5 | 110   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.073  | -2.1  | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.152  | -2.3  | 99    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 55.104  | -10.2 | 105   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 290.379 | -16.2 | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.661  | -3.3  | 103   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 273.729 | -9.5  | 110   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.342  | -6.7  | 106   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.926  | -5.9  | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.764  | -9.5  | 103   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 263.970 | -5.6  | 105   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.824  | -3.6# | 103   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.559  | 6.9   | 94    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.467  | -2.9  | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.794  | -9.6  | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.955  | -7.9  | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.957  | 0.1   | 98    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.965  | -5.9  | 108   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.349  | -0.7  | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.093  | 1.8   | 93    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.415  | -2.8  | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.996  | -8.0  | 116   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.339  | -4.7  | 105   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.812  | -9.6  | 110   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.778  | -1.6  | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.722  | -3.4# | 103   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.114  | -4.2  | 105   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.087  | -6.2  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.176  | -8.4  | 106   | 0.00     |

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 ALS Vial : 1 Sample Multiplier: 1

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 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 | 1051.715 | -5.2  | 108   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 55.506   | -11.0 | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 270.410  | -8.2  | 107   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.073   | -4.1# | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.778   | -11.6 | 109   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.851   | -9.7  | 108   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.370   | -4.7  | 104   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.817   | -13.6 | 110   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.507   | -5.0  | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 248.273  | 0.7   | 101   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 287.888  | -15.2 | 115   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.409   | -4.8  | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.896   | -3.8  | 106   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.045   | -10.1 | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.299   | -0.6  | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.383   | -2.8  | 103   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.567   | -5.1  | 105   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.911   | -5.8# | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.274  | -6.3  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.404   | -8.8  | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.500   | -9.0  | 103   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.320   | -2.6  | 107   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.855   | -5.7  | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.072   | -8.1  | 110   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.382   | -0.8  | 107   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.622   | 4.8   | 109   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.384   | -2.8  | 101   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.787   | -3.6  | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.760   | -3.5  | 102   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.411   | -4.8  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 58.026   | -16.1 | 118   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.300   | -2.6  | 102   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.465   | -6.9  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.436   | -6.9  | 103   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.685   | -3.4  | 100   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.505   | -5.0  | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.481   | -1.0  | 101   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.712   | 0.6   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.560   | -5.1  | 102   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.141   | 3.7   | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.195   | -2.4  | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.253   | -0.5  | 105   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.829   | -7.7  | 107   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.416   | -2.8  | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.220   | -14.4 | 112   | 0.00     |

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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 | 55.179 | -10.4 | 109   | 0.00     |

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