

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062322\  
 Data File : VY009283.D  
 Acq On : 23 Jun 2022 09:28  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 24 09:20:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 21 14:08:27 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   | 108   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 40.090  | 19.8  | 101   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.919  | 14.2  | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.295  | 11.4# | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.570  | 14.9  | 101   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 43.618  | 12.8  | 103   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.298  | 7.4   | 112   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.311  | 3.4   | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.338  | 5.3   | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.639  | 4.7   | 101   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 226.913 | 9.2   | 114   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.450  | 5.1#  | 112   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 213.461 | 14.6  | 91    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.817  | 0.4   | 112   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 243.679 | 2.5   | 109   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 286.026 | -14.4 | 144   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.105  | 15.8  | 96    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.040  | 5.9   | 107   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.760  | -1.5  | 111   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 40.105  | 19.8  | 94    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.298  | 5.4   | 104   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.868  | -3.7  | 110   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 267.139 | -6.9  | 108   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.233  | -2.5  | 112   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 250.582 | -0.2  | 115   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.200  | -0.4  | 115   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.485  | -1.0  | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.496  | -3.0  | 110   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 240.336 | 3.9   | 105   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.134  | -2.3# | 111   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.879  | 10.2  | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.042  | -2.1  | 112   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.460  | 7.1   | 107   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.049  | -2.1  | 110   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.024  | 2.0   | 107   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.409  | 3.2   | 111   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.925  | 0.2   | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.400  | 3.2   | 105   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.512  | 1.0   | 106   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.664  | -1.3  | 105   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.393  | 1.2   | 109   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.179  | 3.6   | 109   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.148  | -0.3  | 110   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.013  | -0.0# | 107   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.600  | 2.8   | 107   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.807  | -1.6  | 110   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.101  | 1.8   | 109   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 24 09:20:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 21 14:08:27 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 | 924.361 | 7.6   | 107   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.063  | 5.9   | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 237.960 | 4.8   | 108   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.509  | 3.0#  | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.353  | 1.3   | 106   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.287  | -0.6  | 107   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.430  | 1.1   | 106   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 49.004  | 2.0   | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.244  | 1.5   | 108   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 240.350 | 3.9   | 103   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 243.922 | 2.4   | 109   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.194  | 1.6   | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.913  | 4.2   | 106   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.183  | 5.6   | 107   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.498  | -1.0  | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.155  | -0.3  | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.976  | -4.0  | 110   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.753  | -1.5# | 107   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.036 | -0.0  | 106   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.338  | -0.7  | 104   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.967  | -1.9  | 107   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.593  | -1.2  | 106   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.318  | -4.6  | 107   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.481  | 1.0   | 106   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.216  | -0.4  | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.543  | -5.1  | 113   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.973  | -1.9  | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.444  | -2.9  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.522  | -3.0  | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.764  | -3.5  | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.272  | -2.5  | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.730  | -3.5  | 108   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.373  | -4.7  | 107   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.503  | -5.0  | 107   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.797  | -3.6  | 107   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.295  | -4.6  | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.100  | -2.2  | 108   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.164  | -2.3  | 108   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.076  | -4.2  | 108   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.772  | -3.5  | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.240  | -2.5  | 107   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.380  | 1.2   | 108   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.685  | -5.4  | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.693  | -7.4  | 109   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.968  | -7.9  | 106   | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_Y  
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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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.266 | -4.5 | 107   | 0.00     |

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