

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072622\  
 Data File : VY009711.D  
 Acq On : 26 Jul 2022 19:27  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 27 04:27:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072622S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 27 04:24:58 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    | 85    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.350  | 9.3    | 82    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.624  | -3.2   | 87    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.219  | -2.4#  | 87    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.277  | -2.6   | 87    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.565  | -5.1   | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.326  | 1.3    | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.590  | 0.8    | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.922  | 2.2    | 84    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.156  | -2.3   | 81    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 224.454 | 10.2   | 81    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.104  | -0.2#  | 84    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 241.966 | 3.2    | 88    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.624  | -1.2   | 86    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 260.992 | -4.4   | 87    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 204.359 | 18.3   | 59    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.544  | -3.1   | 85    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.510  | -1.0   | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.775  | -3.5   | 85    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 67.760  | -35.5# | 111   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.646  | -1.3   | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.759  | -5.5   | 87    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 257.310 | -2.9   | 87    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.195  | -2.4   | 87    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 242.834 | 2.9    | 76    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.483  | 11.0   | 78    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.249  | -2.5   | 86    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.930  | -5.9   | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 270.619 | -8.2   | 88    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.710  | -1.4#  | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.512  | 3.0    | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.300  | -0.6   | 85    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.229  | -2.5   | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 85    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.569  | 4.9    | 88    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.647  | -3.3   | 85    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.945  | -3.9   | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.556  | -1.1   | 85    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.161  | -4.3   | 84    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.643  | -3.3   | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.059  | -10.1  | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.859  | -3.7   | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.830  | -7.7   | 88    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.424  | -0.8   | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.335  | -4.7#  | 87    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.835  | -5.7   | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.503  | -5.0   | 86    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.559  | -9.1   | 88    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 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 | 885.108 | 11.5  | 86    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.121  | -0.2  | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 288.603 | -15.4 | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.500  | -7.0# | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.017  | -6.0  | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.067  | -4.1  | 84    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.073  | -4.1  | 93    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 57.121  | -14.2 | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.240  | -8.5  | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 266.499 | -6.6  | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 279.392 | -11.8 | 91    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.235  | -6.5  | 95    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.124  | -6.2  | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.401  | 1.2   | 85    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 83    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.834  | -3.7  | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.908  | 0.2   | 83    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.946  | -3.9  | 86    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.079  | -2.2# | 83    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.560 | -2.6  | 82    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.778  | -3.6  | 83    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.515  | -5.0  | 83    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.290  | -6.6  | 86    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 86    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.921  | 2.2   | 82    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.256  | 1.5   | 78    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.649  | 2.7   | 82    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.833  | 2.3   | 81    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.803  | 0.4   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.275  | 1.5   | 82    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.722  | 2.6   | 82    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.971  | 0.1   | 83    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.266  | 5.5   | 78    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.365  | 3.3   | 82    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.189  | -0.4  | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.330  | -0.7  | 85    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.056  | -2.1  | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.330  | -2.7  | 86    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.269  | -0.5  | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.420  | 1.2   | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.920  | -1.8  | 85    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.907  | 2.2   | 87    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.930  | 0.1   | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.946  | 0.1   | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.025  | 2.0   | 84    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.523  | 3.0   | 86    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.143  | -6.3  | 86    | 0.00     |

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ALS Vial : 22 Sample Multiplier: 1

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MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Wed Jul 27 04:24:58 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 | 49.378 | 1.2  | 86    | 0.00     |

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