

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\YY110123\  
 Data File : VY016158.D  
 Acq On : 01 Nov 2023 09:23  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 02 02:20:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:33:29 2023  
 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   | 98    | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.224  | -10.4 | 103   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.359  | -0.7  | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.614  | -7.2# | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.182  | -4.4  | 104   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.882  | -3.8  | 103   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.401  | -8.8  | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.366  | -4.7  | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.380  | -6.8  | 104   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 54.005  | -8.0  | 107   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 219.647 | 12.1  | 106   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.781  | -5.6# | 105   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 236.807 | 5.3   | 108   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.344  | -8.7  | 109   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 256.595 | -2.6  | 109   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 246.650 | 1.3   | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 54.811  | -9.6  | 105   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.429  | -0.9  | 108   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.209  | -2.4  | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.807  | -1.6  | 103   | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.835  | -5.7  | 104   | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 52.378  | -4.8  | 107   | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 258.919 | -3.6  | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.172  | -6.3  | 108   | -0.02    |
| 25 T  | 2-Butanone                  | 250.000 | 240.780 | 3.7   | 108   | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.748  | -7.5  | 105   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.045  | -6.1  | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.825  | 6.3   | 93    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 254.180 | -1.7  | 108   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.081  | -4.2# | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.851  | -1.7  | 104   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.748  | -5.5  | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.866  | -3.7  | 109   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.326  | -0.7  | 106   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.193  | -4.4  | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.986  | 0.0   | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 57.391  | -14.8 | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.983  | -8.0  | 103   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.227  | -4.5  | 106   | -0.01    |
| 41 T  | Methacrylonitrile           | 50.000  | 43.223  | 13.6  | 101   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.547  | -3.1  | 107   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.737  | 0.5   | 106   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.907  | -3.8  | 104   | -0.01    |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.230  | -6.5# | 106   | -0.01    |
| 46 T  | Dibromomethane              | 50.000  | 52.145  | -4.3  | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.319  | -6.6  | 109   | -0.01    |
| 48 T  | Methyl methacrylate         | 50.000  | 50.942  | -1.9  | 107   | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

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 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 | 841.723 | 15.8  | 93    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.619  | -7.2  | 109   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 254.917 | -2.0  | 107   | -0.01    |
| 52 CM | Toluene                     | 50.000   | 52.349  | -4.7# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.167  | -4.3  | 108   | -0.01    |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.040  | -4.1  | 107   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.425  | -0.8  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.080  | -2.2  | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.753  | -1.5  | 107   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 254.467 | -1.8  | 107   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 262.285 | -4.9  | 110   | -0.01    |
| 60 T  | Dibromochloromethane        | 50.000   | 51.164  | -2.3  | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.830  | -1.7  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.820  | -1.6  | 110   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.448  | 3.1   | 96    | -0.01    |
| 65 PM | Chlorobenzene               | 50.000   | 52.397  | -4.8  | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.335  | -6.7  | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.167  | -6.3# | 104   | -0.01    |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.227 | -5.2  | 102   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.727  | -5.5  | 104   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.692  | -5.4  | 104   | -0.01    |
| 71 P  | Bromoform                   | 50.000   | 52.162  | -4.3  | 108   | -0.01    |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.216  | -8.4  | 103   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.047  | -2.1  | 101   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.092  | -4.2  | 108   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.426  | 3.1   | 87    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.716  | -5.4  | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.800  | -7.6  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.092  | -6.2  | 103   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.438  | -6.9  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.571  | -3.1  | 105   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.879  | -5.8  | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.213  | -8.4  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.733  | -5.5  | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.862  | -7.7  | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.304  | -6.6  | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.230  | -4.5  | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.443  | -2.9  | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.408  | -6.8  | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 56.357  | -12.7 | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.926  | -3.9  | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.688  | 8.6   | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.287  | 1.4   | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.157  | -2.3  | 98    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.921  | 8.2   | 94    | 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 | 47.674 | 4.7  | 95    | 0.00     |

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