

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052824\  
 Data File : VY018376.D  
 Acq On : 28 May 2024 11:18  
 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: May 29 01:15:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052224S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 23 01:40:36 2024  
 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    | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.183  | 1.6    | 101   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 55.364  | -10.7  | 113   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 54.640  | -9.3#  | 105   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.998  | -4.0   | 110   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 53.888  | -7.8   | 107   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.927  | -1.9   | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.505  | -3.0   | 102   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.409  | -0.8   | 102   | 0.01     |
| 10 T  | Methyl Iodide               | 50.000  | 54.097  | -8.2   | 101   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 222.891 | 10.8   | 83    | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.273  | -2.5#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 222.147 | 11.1   | 88    | 0.01     |
| 14 T  | Allyl chloride              | 50.000  | 53.478  | -7.0   | 104   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 259.413 | -3.8   | 99    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 335.549 | -34.2# | 129   | 0.01     |
| 17 T  | Carbon Disulfide            | 50.000  | 55.308  | -10.6  | 100   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.303  | 1.4    | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.405  | -6.8   | 104   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 58.198  | -16.4  | 112   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.345  | -6.7   | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.687  | 0.6    | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 261.692 | -4.7   | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.395  | -6.8   | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 287.699 | -15.1  | 110   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.040  | -8.1   | 106   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.551  | -7.1   | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.341  | -6.7   | 105   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 242.620 | 3.0    | 91    | 0.01     |
| 30 C  | Chloroform                  | 50.000  | 52.908  | -5.8#  | 103   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 55.403  | -10.8  | 99    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.951  | -5.9   | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 44.229  | 11.5   | 95    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 44.498  | 11.0   | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.072  | -4.1   | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.899  | -5.8   | 99    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.052  | -2.1   | 104   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.366  | -4.7   | 102   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.311  | -4.6   | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.461  | -2.9   | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.095  | -2.2   | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.493  | -1.0   | 98    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.732  | -3.5   | 104   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.828  | -5.7#  | 101   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.237  | -2.5   | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.241  | -2.5   | 102   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.234  | -2.5   | 101   | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 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 | 931.144 | 6.9   | 90    | 0.01     |
| 50 S  | Toluene-d8                  | 50.000   | 43.308  | 13.4  | 97    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 247.407 | 1.0   | 98    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.157  | -0.3# | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.744  | -1.5  | 102   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.306  | -6.6  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.924  | 0.2   | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.272  | -0.5  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.295  | 1.4   | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 236.409 | 5.4   | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 273.932 | -9.6  | 112   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.193  | -6.4  | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.309  | -0.6  | 103   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 43.167  | 13.7  | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.632  | -1.3  | 103   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.922  | -1.8  | 102   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.381  | -4.8  | 102   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.554  | -1.1# | 103   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.924 | -1.9  | 102   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.639  | -3.3  | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.573  | -5.1  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.534  | -13.1 | 110   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.966  | 0.1   | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.264  | -0.5  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.668  | 2.7   | 103   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.859  | -3.7  | 112   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.620  | -5.2  | 105   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.232  | 1.5   | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.868  | 0.3   | 105   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.551  | -1.1  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.376  | 1.2   | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.112  | -0.2  | 106   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.079  | -0.2  | 103   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.600  | -1.2  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.809  | 0.4   | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.918  | -1.8  | 105   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.927  | -3.9  | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.741  | -1.5  | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.055  | -0.1  | 106   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.789  | -3.6  | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.493  | -1.0  | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.602  | -5.2  | 112   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.833  | -5.7  | 114   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.812  | -9.6  | 114   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.297  | -2.6  | 107   | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_Y  
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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 | 53.118 | -6.2 | 118   | 0.00     |

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