

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080524\  
 Data File : VD079613.D  
 Acq On : 06 Aug 2024 07:49  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 06 08:56:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 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   | 75    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.428  | 13.1  | 66    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.705  | -1.4  | 79    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.480  | 1.0#  | 73    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.651  | 4.7   | 70    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.210  | 3.6   | 75    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.516  | 7.0   | 68    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.565  | -9.1  | 89    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.925  | 10.2  | 66    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.963  | -3.9  | 70    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 291.963 | -16.8 | 99    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.312  | 1.4#  | 71    | 0.01     |
| 13 T  | Acrolein                    | 250.000 | 177.355 | 29.1# | 59    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.440  | -6.9  | 79    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 280.658 | -12.3 | 102   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 209.365 | 16.3  | 71    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.791  | 2.4   | 70    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 59.607  | -19.2 | 113   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.908  | -11.8 | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.475  | -11.0 | 80    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.144  | -4.3  | 75    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.803  | -13.6 | 85    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 273.474 | -9.4  | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.869  | -7.7  | 80    | 0.01     |
| 25 T  | 2-Butanone                  | 250.000 | 250.014 | -0.0  | 91    | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.286  | 11.4  | 64    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.616  | -11.2 | 81    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.555  | -1.1  | 88    | 0.01     |
| 29 T  | Tetrahydrofuran             | 250.000 | 284.191 | -13.7 | 105   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 54.251  | -8.5# | 82    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.037  | 9.9   | 67    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.730  | -3.5  | 75    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.233  | -0.5  | 83    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 42.935  | 14.1  | 75    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.674  | 8.7   | 73    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.520  | -3.0  | 103   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.238  | 9.5   | 72    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 41.549  | 16.9  | 65    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.667  | 2.7   | 79    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.443  | 1.1   | 109   | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.434  | 1.1   | 89    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.284  | 1.4   | 98    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.677  | 8.6   | 75    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.727  | -1.5# | 85    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.444  | 3.1   | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.411  | 1.2   | 85    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.711  | -3.4  | 98    | 0.00     |

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 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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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 | 977.467 | 2.3   | 94    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 44.177  | 11.6  | 74    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 266.108 | -6.4  | 107   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.480  | 1.0#  | 78    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.418  | 7.2   | 82    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.232  | 5.5   | 80    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.257  | 1.5   | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.339  | -2.7  | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.509  | 1.0   | 90    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 289.780 | -15.9 | 108   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 255.256 | -2.1  | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.236  | 5.5   | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.841  | 4.3   | 88    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 43.673  | 12.7  | 75    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 88    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.595  | 6.8   | 75    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.757  | 4.5   | 79    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.142  | 1.7   | 81    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.882  | 0.2#  | 78    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.175  | 0.8   | 78    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.720  | 0.6   | 77    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.593  | -1.2  | 79    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.677  | 6.6   | 88    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 87    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.659  | 8.7   | 76    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.078  | -4.2  | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.700  | -1.4  | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.859  | -11.7 | 120   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.134  | 3.7   | 79    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.675  | 0.7   | 76    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.645  | -1.3  | 79    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.683  | -1.4  | 77    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.182  | 5.6   | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.201  | -0.4  | 79    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 44.881  | 10.2  | 76    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.084  | 7.8   | 77    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.018  | 4.0   | 74    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 43.859  | 12.3  | 74    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.879  | 6.2   | 77    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.754  | 6.5   | 79    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 42.715  | 14.6  | 72    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.849  | 4.3   | 77    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.376  | 5.2   | 80    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.313  | -0.6  | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 44.117  | 11.8  | 77    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 40.623  | 18.8  | 66    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.704  | 0.6   | 91    | 0.00     |

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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 | 45.480 | 9.0  | 81    | 0.00     |

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