

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111924\  
 Data File : VD080094.D  
 Acq On : 19 Nov 2024 20:07  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 20 03:59:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 15 16:25:47 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    | 81    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.923  | -1.8   | 83    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 78.516  | -57.0# | 136   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 87.296  | -74.6# | 148   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 75.180  | -50.4# | 134   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 81.987  | -64.0# | 154   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.693  | -3.4   | 90    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 58.370  | -16.7  | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.102  | -0.2   | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.404  | -10.8  | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 301.307 | -20.5  | 114   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.436  | -2.9#  | 88    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 209.775 | 16.1   | 73    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.712  | -1.4   | 94    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 285.601 | -14.2  | 99    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 241.558 | 3.4    | 83    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.611  | -3.2   | 89    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 60.330  | -20.7  | 113   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 59.992  | -20.0  | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.125  | -8.3   | 94    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.365  | -6.7   | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 57.428  | -14.9  | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 286.258 | -14.5  | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.164  | -8.3   | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 263.498 | -5.4   | 81    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.732  | 2.5    | 81    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.876  | -9.8   | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 55.503  | -11.0  | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 304.807 | -21.9  | 93    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.580  | -11.2# | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.900  | 8.2    | 78    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.067  | -6.1   | 88    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 56.136  | -12.3  | 89    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 85    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.243  | -6.5   | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.972  | -1.9   | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 55.176  | -10.4  | 94    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.096  | 1.8    | 84    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.113  | 3.8    | 80    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.858  | -5.7   | 89    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.407  | 7.2    | 80    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.845  | -9.7   | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.511  | -11.0  | 91    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.300  | -2.6   | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.756  | -9.5#  | 90    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.507  | -11.0  | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.137  | -8.3   | 91    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 57.938  | -15.9  | 95    | 0.00     |

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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 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 | 1318.518 | -31.9# | 97    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.971   | -7.9   | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 292.248  | -16.9  | 93    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.026   | -10.1# | 90    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.793   | -9.6   | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.546   | -9.1   | 90    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.493   | -13.0  | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 59.537   | -19.1  | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.391   | -12.8  | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 273.266  | -9.3   | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 287.021  | -14.8  | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.907   | -13.8  | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.084   | -12.2  | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.759   | -9.5   | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 87    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.298   | 1.4    | 90    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.331   | -2.7   | 91    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.160   | -4.3   | 91    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.055   | -4.1#  | 89    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.061  | -5.1   | 90    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.264   | -8.5   | 91    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.593   | -11.2  | 92    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.438   | -8.9   | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 91    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.613   | -1.2   | 91    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.027   | -6.1   | 91    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.366   | -4.7   | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.977   | -8.0   | 106   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.044   | -4.1   | 95    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.937   | -1.9   | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.775   | -3.5   | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.546   | -5.1   | 92    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.793   | -7.6   | 96    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.734   | -1.5   | 92    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.250   | 1.5    | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.297   | -6.6   | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.990   | -2.0   | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.605   | -3.2   | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.949   | -1.9   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.283   | -0.6   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.249   | -0.5   | 90    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.160   | 1.7    | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.353   | -4.7   | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.650   | -5.3   | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.033   | -4.1   | 95    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.776   | 0.4    | 92    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.727   | -13.5  | 100   | 0.00     |

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Sample : VSTDCCC050  
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Instrument :  
MSVOA\_D  
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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 | 54.868 | -9.7 | 98    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6