

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101124\  
 Data File : VD079968.D  
 Acq On : 11 Oct 2024 16:32  
 Operator : RP/MD  
 Sample : VSTDICV050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD101124

Quant Time: Oct 14 03:22:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101124S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 14 03:20:54 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  | 45.532  | 8.9   | 98    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.455  | 9.1   | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.167  | -0.3# | 105   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.715  | -3.4  | 114   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.025  | -4.0  | 108   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.956  | 2.1   | 103   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.310  | -2.6  | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.659  | 6.7   | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 58.530  | -17.1 | 110   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 231.586 | 7.4   | 97    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.973  | -3.9# | 108   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 218.866 | 12.5  | 103   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.747  | -5.5  | 106   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.044 | -0.4  | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 249.166 | 0.3   | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 54.300  | -8.6  | 106   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.921  | 0.2   | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.214  | -6.4  | 105   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.325  | -10.7 | 106   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 54.694  | -9.4  | 111   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.687  | -7.4  | 106   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 274.005 | -9.6  | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.564  | -1.1  | 107   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 249.114 | 0.4   | 98    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.295  | 1.4   | 107   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.845  | -1.7  | 103   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.062  | 3.9   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 265.092 | -6.0  | 103   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.710  | 0.6#  | 104   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.766  | 0.5   | 105   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.824  | 0.4   | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.349  | 5.3   | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 105   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.027  | 5.9   | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.005  | -2.0  | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.352  | 1.3   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.994  | 2.0   | 104   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.467  | -6.9  | 108   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.475  | -3.0  | 107   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.617  | -3.2  | 108   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.299  | -0.6  | 106   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.657  | -1.3  | 105   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.594  | -3.2  | 109   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.568  | -3.1# | 107   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.866  | -1.7  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.130  | -0.3  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.432  | -8.9  | 105   | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD101124

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 Quant Title : SW846 8260  
 QLast Update : Mon Oct 14 03:20:54 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1047.099 | -4.7  | 102   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.872   | 2.3   | 97    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 260.552  | -4.2  | 103   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.263   | -6.5# | 106   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.016   | -2.0  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.778   | -1.6  | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.166   | 3.7   | 101   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.000   | -8.0  | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.918   | -1.8  | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 280.482  | -12.2 | 103   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 258.817  | -3.5  | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.741   | 0.5   | 103   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.338   | 1.3   | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.244   | -0.5  | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 105   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.025   | -2.0  | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.660   | -1.3  | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.536   | 0.9   | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.508   | -5.0# | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.860  | -6.9  | 106   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.573   | -7.1  | 109   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.539   | -7.1  | 105   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.938   | 2.1   | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.392   | -6.8  | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.860   | -5.7  | 102   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.989   | -2.0  | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 40.444   | 19.1  | 85    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.072   | -2.1  | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.841   | -7.7  | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.516   | -5.0  | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.570   | -7.1  | 108   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.402   | -0.8  | 100   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.064   | -4.1  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.510   | -7.0  | 107   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.201   | -8.4  | 107   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.868   | -7.7  | 109   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.959   | -9.9  | 110   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.061   | -2.1  | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.943   | 0.1   | 106   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.328   | -8.7  | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.262   | -0.5  | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.699   | -1.4  | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 44.749   | 10.5  | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.369   | -4.7  | 107   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.986   | -6.0  | 108   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.203   | -4.4  | 102   | 0.00     |

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Sample : VSTDICV050  
Misc : 5.00G/5ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD101124

Quant Time: Oct 14 03:22:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101124S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 14 03:20:54 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.991 | -2.0 | 103   | 0.00     |

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