

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD093024\  
 Data File : VD079943.D  
 Acq On : 30 Sep 2024 18:36  
 Operator : RP/MD  
 Sample : VSTDICV050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD093024

Quant Time: Oct 01 05:52:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D093024S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 05:47:39 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   | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.519  | 15.0  | 98    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.371  | 9.3   | 104   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.857  | 8.3#  | 104   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 41.046  | 17.9  | 101   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.135  | 5.7   | 106   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.908  | 10.2  | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.169  | 3.7   | 109   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 43.430  | 13.1  | 98    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 59.152  | -18.3 | 116   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 238.153 | 4.7   | 104   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.629  | 2.7#  | 105   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 256.258 | -2.5  | 117   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.840  | -1.7  | 114   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 247.806 | 0.9   | 110   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 263.684 | -5.5  | 116   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.445  | 3.1   | 107   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.822  | 0.4   | 121   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.864  | -3.7  | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.236  | 5.5   | 109   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.563  | 2.9   | 101   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.434  | -4.9  | 107   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 270.948 | -8.4  | 109   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.870  | 4.3   | 106   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 261.737 | -4.7  | 112   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.489  | 7.0   | 104   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.468  | 5.1   | 100   | 0.01     |
| 28 T  | Bromochloromethane          | 50.000  | 48.489  | 3.0   | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 260.643 | -4.3  | 114   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.885  | 6.2#  | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.975  | 8.0   | 105   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.952  | 8.1   | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.796  | 0.4   | 113   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.662  | -5.3  | 114   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.248  | 3.5   | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.792  | -7.6  | 121   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.427  | 7.1   | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.636  | 2.7   | 100   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.241  | 1.5   | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 57.396  | -14.8 | 124   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.639  | 6.7   | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.764  | -3.5  | 108   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.613  | 4.8   | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.149  | 1.7#  | 106   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.422  | 3.2   | 102   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 47.371  | 5.3   | 103   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.762  | -1.5  | 113   | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD093024

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D093024S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 05:47:39 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 | 1009.674 | -1.0  | 116   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.431   | -4.9  | 112   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 266.006  | -6.4  | 106   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.371   | -0.7# | 104   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.453   | 1.1   | 104   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.314   | -0.6  | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.909   | 6.2   | 104   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.454   | -6.9  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.971   | 0.1   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.959  | -3.6  | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 267.516  | -7.0  | 107   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.211   | 5.6   | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.834   | 2.3   | 104   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.459   | -4.9  | 115   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.691   | 8.6   | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.543   | 4.9   | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 46.500   | 7.0   | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.904   | 2.2#  | 100   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.702   | 0.3   | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.346   | -2.7  | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.176   | -0.4  | 101   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.955   | 6.1   | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.721   | -1.4  | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.573   | -9.1  | 109   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.085   | 3.8   | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.221   | -6.4  | 102   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.874   | 2.3   | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.646   | -1.3  | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.018   | -2.0  | 103   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.774   | -3.5  | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.252   | -2.5  | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.446   | 1.1   | 101   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.278   | 1.4   | 101   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.892   | -1.8  | 99    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.845   | 2.3   | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.140   | 1.7   | 99    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.064   | 5.9   | 99    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.675   | 8.7   | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.453   | 1.1   | 99    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.302   | 7.4   | 97    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.623   | 2.8   | 98    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 44.447   | 11.1  | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.865   | 6.3   | 98    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.686   | 6.6   | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.051   | -0.1  | 100   | 0.00     |

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ALS Vial : 11 Sample Multiplier: 1

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 | 49.274 | 1.5  | 101   | 0.00     |

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