

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041323\  
 Data File : VD075659.D  
 Acq On : 13 Apr 2023 14:26  
 Operator : KP/SY  
 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD041323

Quant Time: Apr 14 01:33:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:16:29 2023  
 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  | 107   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.611  | 2.8  | 108   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.069  | 1.9  | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.933  | 2.1# | 108   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.733  | 14.5 | 96    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.157  | 5.7  | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.108  | 1.8  | 109   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.648  | -1.3 | 113   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.269  | 1.5  | 109   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.105  | 7.8  | 95    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 265.369 | -6.1 | 118   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.368  | 1.3# | 107   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 242.256 | 3.1  | 107   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.416  | 1.2  | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 253.689 | -1.5 | 110   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 254.561 | -1.8 | 102   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.009  | 4.0  | 106   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.022  | -0.0 | 109   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.065  | -4.1 | 109   | -0.01    |
| 20 T  | Methylene Chloride          | 50.000  | 48.696  | 2.6  | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.475  | 3.0  | 104   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.905  | -1.8 | 106   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 273.303 | -9.3 | 110   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.288  | 3.4  | 105   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 256.831 | -2.7 | 107   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.178  | 3.6  | 108   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.902  | 2.2  | 105   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.856  | 6.3  | 105   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 269.618 | -7.8 | 112   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.784  | 4.4# | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.707  | 4.6  | 106   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.071  | 1.9  | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.038  | 5.9  | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0  | 107   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.364  | 3.3  | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.572  | 0.9  | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.616  | -1.2 | 111   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.558  | -5.1 | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.603  | -7.2 | 108   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.107  | -0.2 | 107   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.917  | -1.8 | 116   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.000  | 0.0  | 105   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.216  | -4.4 | 108   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.867  | 0.3  | 106   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.554  | 0.9# | 106   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.396  | 1.2  | 105   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.371  | -0.7 | 107   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.565  | -9.1 | 109   | 0.00     |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD041323

Quant Time: Apr 14 01:33:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:16:29 2023  
 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 | 967.421 | 3.3   | 100   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.809  | 2.4   | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 262.851 | -5.1  | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.597  | 0.8#  | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.408  | 1.2   | 97    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.477  | -1.0  | 97    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.936  | 4.1   | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.537  | -7.1  | 98    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.280  | 1.4   | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 267.975 | -7.2  | 101   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 271.211 | -8.5  | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.672  | 2.7   | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.714  | 2.6   | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.404  | -4.8  | 107   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 108   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.418  | 3.2   | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.505  | -1.0  | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.500  | -1.0  | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.701  | -7.4# | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 107.465 | -7.5  | 106   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.471  | -10.9 | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.094  | -4.2  | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.320  | -8.6  | 109   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 107   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.234  | -6.5  | 106   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 54.585  | -9.2  | 112   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.969  | -1.9  | 110   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 43.787  | 12.4  | 106   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.466  | -0.9  | 108   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.628  | -5.3  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.414  | 1.2   | 105   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.226  | -4.5  | 106   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.818  | -7.6  | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.486  | -1.0  | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.111  | -6.2  | 107   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.513  | -5.0  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.719  | -5.4  | 106   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.081  | -6.2  | 106   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.094  | -0.2  | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.636  | 0.7   | 106   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.930  | -3.9  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.609  | 0.8   | 108   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.742  | -1.5  | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.084  | 3.8   | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.680  | 0.6   | 110   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.041  | 7.9   | 106   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.278  | -4.6  | 112   | 0.00     |

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Sample : VSTDICV050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
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 | 49.529 | 0.9  | 112   | 0.00     |

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