

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080522\  
 Data File : VD073971.D  
 Acq On : 05 Aug 2022 19:03  
 Operator : VA/SY  
 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD080522

Quant Time: Aug 06 00:46:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 06 00:36:42 2022  
 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   | 104   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.107  | -6.2  | 107   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.843  | 6.3   | 97    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.836  | 4.3#  | 98    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.599  | 12.8  | 98    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.485  | 9.0   | 95    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.224  | 7.6   | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.842  | -1.7  | 104   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.391  | 5.2   | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.404  | 5.2   | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 277.303 | -10.9 | 131   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.165  | 1.7#  | 102   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 277.632 | -11.1 | 103   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.884  | 4.2   | 98    | 0.01     |
| 15 T  | Acrylonitrile               | 250.000 | 254.403 | -1.8  | 105   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 273.521 | -9.4  | 111   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.471  | 3.1   | 99    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.530  | -3.1  | 109   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.647  | -3.3  | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.457  | -4.9  | 103   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.927  | 2.1   | 101   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.320  | 1.4   | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 269.240 | -7.7  | 104   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.758  | 4.5   | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 248.644 | 0.5   | 112   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.112  | 5.8   | 102   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.731  | 2.5   | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.104  | -2.2  | 105   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 263.021 | -5.2  | 109   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.157  | 3.7#  | 100   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.968  | 10.1  | 97    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.331  | 3.3   | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.947  | -3.9  | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.335  | 7.3   | 106   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.384  | 5.2   | 99    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.420  | -0.8  | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.654  | 4.7   | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.881  | 0.2   | 99    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.194  | 3.6   | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.356  | -4.7  | 104   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.995  | 2.0   | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.807  | 0.4   | 103   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.620  | 2.8   | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.121  | 3.8#  | 98    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.054  | -0.1  | 103   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.150  | 1.7   | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.778  | 0.4   | 102   | 0.00     |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD080522

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 06 00:36:42 2022  
 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 | 1072.121 | -7.2 | 117   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.652   | 6.7  | 106   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 263.006  | -5.2 | 109   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.727   | 2.5# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.735   | -1.5 | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.071   | -0.1 | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.334   | 1.3  | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.614   | -7.2 | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.223   | -0.4 | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 262.271  | -4.9 | 111   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 269.845  | -7.9 | 110   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.971   | 0.1  | 104   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.091   | -4.2 | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.421   | 5.2  | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0  | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.353   | 7.3  | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.115   | 3.8  | 100   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.272   | 1.5  | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.665   | 0.7# | 99    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.646  | -0.6 | 99    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.611   | -1.2 | 98    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.170   | -2.3 | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.412   | 3.2  | 101   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0  | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.114   | 1.8  | 99    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.111   | -4.2 | 108   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.301   | 3.4  | 103   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 40.164   | 19.7 | 98    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.473   | 3.1  | 98    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.478   | 3.0  | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.986   | 4.0  | 97    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.933   | 0.1  | 99    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.742   | 0.5  | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.584   | 2.8  | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.681   | 0.6  | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.584   | 0.8  | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.068   | 1.9  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.048   | 1.9  | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.289   | 1.4  | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.374   | 3.3  | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.846   | 0.3  | 97    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.771   | 4.5  | 97    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.755   | 4.5  | 98    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.581   | 0.8  | 110   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.655   | 2.7  | 102   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.049   | 3.9  | 98    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.397   | -4.8 | 107   | 0.00     |

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ALS Vial : 12 Sample Multiplier: 1

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MSVOA\_D  
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Quant Title : SW846 8260  
QLast Update : Sat Aug 06 00:36:42 2022  
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 | 48.593 | 2.8  | 105   | 0.00     |

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