

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062824\  
 Data File : VD079286.D  
 Acq On : 28 Jun 2024 17:09  
 Operator : RP/MD  
 Sample : VSTDICV050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD062824

Quant Time: Jun 29 06:30:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062824S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 29 06:28:31 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   | 107   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.390  | 11.2  | 105   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.998  | 8.0   | 111   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.530  | 6.9#  | 107   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.106  | 7.8   | 105   | 0.03     |
| 6 T   | Chloroethane                | 50.000  | 43.221  | 13.6  | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.358  | 11.3  | 106   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.012  | 2.0   | 116   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.882  | 8.2   | 109   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 44.582  | 10.8  | 102   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 243.212 | 2.7   | 122   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.701  | 6.6#  | 108   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 226.070 | 9.6   | 104   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.885  | 2.2   | 113   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 240.308 | 3.9   | 112   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 257.107 | -2.8  | 108   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.413  | 7.2   | 108   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.487  | 9.0   | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.415  | -0.8  | 116   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 57.603  | -15.2 | 132   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.996  | 6.0   | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.879  | 0.2   | 111   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 262.352 | -4.9  | 116   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.931  | 6.1   | 109   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 253.806 | -1.5  | 114   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.652  | 2.7   | 112   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.843  | 4.3   | 110   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.658  | 4.7   | 111   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 247.671 | 0.9   | 112   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.058  | 5.9#  | 111   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.296  | 7.4   | 108   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.101  | 5.8   | 109   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.039  | 1.9   | 114   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 108   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.778  | 6.4   | 108   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.794  | -1.6  | 109   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 55.601  | -11.2 | 124   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.172  | 1.7   | 109   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.515  | -5.0  | 112   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.236  | -0.5  | 110   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.466  | -6.9  | 129   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.606  | 0.8   | 111   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.300  | -0.6  | 116   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.492  | 1.0   | 111   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.843  | -1.7# | 112   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.165  | -0.3  | 116   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.091  | 1.8   | 110   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.441  | -6.9  | 114   | 0.00     |

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 Sample : VSTDICV050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD062824

Quant Time: Jun 29 06:30:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062824S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 29 06:28:31 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 | 1007.704 | -0.8  | 118   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 44.696   | 10.6  | 109   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 262.896  | -5.2  | 114   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.557   | -3.1# | 110   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.980   | -2.0  | 113   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.391   | -0.8  | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.307   | 1.4   | 112   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.890   | 4.2   | 115   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.503   | 1.0   | 108   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 242.561  | 3.0   | 112   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 268.363  | -7.3  | 113   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.078   | -0.2  | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.103   | -2.2  | 112   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.396   | -2.8  | 113   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 109   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.124   | 3.8   | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.649   | 0.7   | 110   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.912   | 4.2   | 111   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.929   | -3.9# | 112   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.730  | -2.7  | 110   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.634   | -3.3  | 111   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.943   | -5.9  | 113   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.007   | 2.0   | 114   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 111   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.064   | -4.1  | 110   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.505   | -7.0  | 119   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.757   | 6.5   | 109   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.590   | -9.2  | 112   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.905   | 2.2   | 110   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.840   | -3.7  | 109   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.946   | -1.9  | 110   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.731   | -3.5  | 110   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.999   | 0.0   | 112   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.604   | -1.2  | 110   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.631   | -5.3  | 110   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.599   | -5.2  | 111   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.494   | -5.0  | 110   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.898   | -3.8  | 109   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.629   | 2.7   | 111   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.416   | 3.2   | 110   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.588   | -5.2  | 111   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.514   | 3.0   | 109   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.685   | 0.6   | 114   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.880   | 0.2   | 121   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.919   | -3.8  | 112   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.045   | 1.9   | 111   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.060   | -12.1 | 117   | 0.00     |

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Sample : VSTDICV050  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD062824

Quant Time: Jun 29 06:30:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062824S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 29 06:28:31 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 | 53.988 | -8.0 | 117   | 0.00     |

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