

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081022\  
 Data File : VD074024.D  
 Acq On : 10 Aug 2022 14:03  
 Operator : VA/SY  
 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD081022

Quant Time: Aug 10 15:23:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081022S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 14:55:58 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  | 48.039  | 3.9   | 99    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.135  | -4.3  | 105   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.436  | 7.1#  | 100   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.655  | 8.7   | 99    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.810  | 8.4   | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.686  | 8.6   | 101   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.331  | 1.3   | 112   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.352  | 7.3   | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.967  | 6.1   | 92    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 286.669 | -14.7 | 118   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.116  | 3.8#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 269.600 | -7.8  | 108   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.073  | 1.9   | 101   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 254.657 | -1.9  | 110   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 309.528 | -23.8 | 145   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.110  | 7.8   | 99    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 55.015  | -10.0 | 113   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.087  | -6.2  | 109   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.040  | -2.1  | 103   | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.267  | 3.5   | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.019  | -2.0  | 104   | 0.00     |
| 23 T  | Vinyl Acetate               | 50.000  | 54.820  | -9.6  | 109   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.856  | 4.3   | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 274.495 | -9.8  | 124   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.857  | 4.3   | 102   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.799  | 2.4   | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.934  | 0.1   | 107   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 263.471 | -5.4  | 110   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.503  | 3.0#  | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.083  | 7.8   | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.259  | 5.5   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.471  | -2.9  | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 44.383  | 11.2  | 104   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.365  | 1.3   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.290  | -0.6  | 112   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.422  | 3.2   | 99    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.151  | -0.3  | 100   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.664  | 0.7   | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.376  | 3.2   | 96    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.017  | 2.0   | 103   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.431  | -6.9  | 110   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.533  | 2.9   | 103   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.433  | 1.1#  | 104   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.783  | -1.6  | 108   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.436  | 1.1   | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.149  | -4.3  | 107   | 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 :  
 ICVVD081022

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 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 14:55:58 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 | 1136.504 | -13.7 | 115   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.540   | 4.9   | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 268.694  | -7.5  | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.246   | -2.5# | 103   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.524   | -5.0  | 106   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.113   | -6.2  | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.855   | -3.7  | 109   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.893   | -9.8  | 110   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.515   | -1.0  | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 290.568  | -16.2 | 118   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 284.325  | -13.7 | 116   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.683   | 0.6   | 104   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.885   | 0.2   | 104   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.185   | -0.4  | 105   | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 106   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.183   | 7.6   | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.401   | 1.2   | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.654   | 0.7   | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.749   | -1.5# | 103   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.170  | -3.2  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.937   | -3.9  | 104   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.907   | -7.8  | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.669   | -5.3  | 112   | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 108   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.805   | 0.4   | 103   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.143   | -2.3  | 108   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.389   | 3.2   | 110   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.489   | 15.0  | 110   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.278   | 1.4   | 108   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.660   | 0.7   | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.265   | 1.5   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.728   | -3.5  | 105   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.218   | -8.4  | 116   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.424   | 1.2   | 102   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.045   | -2.1  | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.230   | -0.5  | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.127   | -0.3  | 101   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.373   | -2.7  | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.906   | 2.2   | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.025   | 2.0   | 106   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.332   | -0.7  | 102   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.574   | 4.9   | 100   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.532   | 0.9   | 106   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.158   | 7.7   | 105   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.666   | 0.7   | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.566   | 6.9   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.866   | -5.7  | 110   | 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  
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ICVVD081022

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Quant Title : SW846 8260  
QLast Update : Wed Aug 10 14:55:58 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 | 49.880 | 0.2  | 107   | 0.00     |

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