

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111924\  
 Data File : VY020345.D  
 Acq On : 19 Nov 2024 18:52  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICSVY111924

Quant Time: Nov 20 04:42:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 04:33:54 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   | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.365  | -4.7  | 108   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.505  | 11.0  | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.368  | 15.3# | 87    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.284  | 5.4   | 96    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.715  | 10.6  | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.372  | 1.3   | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.920  | 2.2   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.944  | 6.1   | 84    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.226  | 3.5   | 83    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 224.231 | 10.3  | 101   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.078  | 5.8#  | 84    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 267.071 | -6.8  | 101   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.933  | 4.1   | 103   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 254.341 | -1.7  | 102   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 237.630 | 4.9   | 79    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.520  | 7.0   | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.427  | -0.9  | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.895  | 0.2   | 97    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.374  | 3.3   | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.091  | 5.8   | 91    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.173  | 3.7   | 96    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 252.147 | -0.9  | 98    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.648  | 4.7   | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 260.742 | -4.3  | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.584  | 2.8   | 95    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.900  | 0.2   | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.005  | 4.0   | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 269.331 | -7.7  | 103   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.223  | 3.6#  | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.890  | 4.2   | 95    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.447  | -0.9  | 97    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 44.029  | 11.9  | 76    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 41.639  | 16.7  | 72    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.880  | 0.2   | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.618  | -9.2  | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.317  | -4.6  | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.325  | -2.7  | 94    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.820  | -1.6  | 94    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.717  | -11.4 | 105   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.755  | -5.5  | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.687  | -11.4 | 100   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.110  | -0.2  | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.680  | -1.4# | 94    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.618  | -1.2  | 90    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.051  | -2.1  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 55.637  | -11.3 | 100   | 0.00     |

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 ALS Vial : 10 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :  
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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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1029.795 | -3.0  | 92    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 42.207   | 15.6  | 66    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 274.160  | -9.7  | 86    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.107   | -2.2# | 91    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.655   | -3.3  | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.893   | -5.8  | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.472   | -0.9  | 93    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.587   | -7.2  | 92    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.199   | -4.4  | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 248.935  | 0.4   | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 274.534  | -9.8  | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.124   | -4.2  | 89    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.344   | -0.7  | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 43.984   | 12.0  | 72    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 86    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.247   | 1.5   | 92    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.054   | 1.9   | 82    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.168   | -0.3  | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.867   | 0.3#  | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.387  | -1.4  | 91    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.951   | -1.9  | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.321   | -2.6  | 91    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.752   | -5.5  | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.433   | 1.1   | 92    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.821   | -9.6  | 97    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.321   | -0.6  | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.595   | -7.2  | 93    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.588   | 0.8   | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.879   | 0.2   | 92    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.257   | 1.5   | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.396   | 1.2   | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.391   | -2.8  | 91    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.114   | 1.8   | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.744   | -1.5  | 94    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.562   | 0.9   | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.067   | 7.9   | 82    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.532   | 0.9   | 90    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.709   | 4.6   | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.275   | 1.5   | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.838   | 0.3   | 91    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.355   | 3.3   | 84    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.169   | -0.3  | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.354   | 1.3   | 88    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.001   | -4.0  | 100   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.929   | -5.9  | 102   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.950   | -13.9 | 103   | 0.00     |

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Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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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 | 51.439 | -2.9 | 101   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6