

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062221\  
 Data File : VW019281.D  
 Acq On : 22 Jun 2021 20:33  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 23 05:45:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W062121S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 21 12:12:47 2021  
 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   | 105   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 34.070  | 31.9# | 74    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 31.874  | 36.3# | 73    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 35.048  | 29.9# | 77    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 34.858  | 30.3# | 84    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 33.062  | 33.9# | 77    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 33.319  | 33.4# | 74    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 39.576  | 20.8  | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 37.248  | 25.5# | 82    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 39.166  | 21.7  | 88    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 206.888 | 17.2  | 87    | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 37.548  | 24.9# | 83    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 228.157 | 8.7   | 100   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 36.589  | 26.8# | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 193.343 | 22.7  | 86    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 159.826 | 36.1# | 69    | 0.01     |
| 17 T  | Carbon Disulfide            | 50.000  | 35.806  | 28.4# | 78    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 36.149  | 27.7# | 82    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 41.202  | 17.6  | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 42.507  | 15.0  | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 38.677  | 22.6  | 86    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 37.719  | 24.6  | 84    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 191.129 | 23.5  | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 37.531  | 24.9  | 84    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 178.138 | 28.7# | 78    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 35.118  | 29.8# | 81    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 38.869  | 22.3  | 85    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.145  | 7.7   | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 188.202 | 24.7  | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 38.298  | 23.4# | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 34.083  | 31.8# | 78    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 38.696  | 22.6  | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.286  | 5.4   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.986  | 6.0   | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 36.985  | 26.0# | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 38.628  | 22.7  | 89    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 38.188  | 23.6  | 86    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 37.882  | 24.2  | 82    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 38.070  | 23.9  | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 37.073  | 25.9# | 82    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 38.406  | 23.2  | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 38.187  | 23.6  | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 38.636  | 22.7  | 87    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 37.376  | 25.2# | 84    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 38.713  | 22.6  | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 38.283  | 23.4  | 85    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 36.899  | 26.2# | 78    | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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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 | 802.254 | 19.8  | 83    | 0.02     |
| 50 S  | Toluene-d8                  | 50.000   | 47.435  | 5.1   | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 190.304 | 23.9  | 86    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 38.313  | 23.4# | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 37.967  | 24.1  | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 38.103  | 23.8  | 83    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 38.212  | 23.6  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 40.062  | 19.9  | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 38.468  | 23.1  | 87    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.895 | -3.6  | 109   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 187.462 | 25.0# | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 39.040  | 21.9  | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 39.470  | 21.1  | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.724  | 4.6   | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 108   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 37.925  | 24.2  | 87    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 38.405  | 23.2  | 86    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 38.506  | 23.0  | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 38.385  | 23.2# | 85    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 76.727  | 23.3  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 39.444  | 21.1  | 86    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 39.343  | 21.3  | 85    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 38.837  | 22.3  | 86    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 104   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 39.854  | 20.3  | 85    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 38.567  | 22.9  | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 38.972  | 22.1  | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 36.570  | 26.9# | 86    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 40.680  | 18.6  | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 38.814  | 22.4  | 83    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 39.089  | 21.8  | 84    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 40.271  | 19.5  | 85    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 36.167  | 27.7# | 76    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 38.623  | 22.8  | 82    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 40.195  | 19.6  | 84    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 39.900  | 20.2  | 83    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 39.393  | 21.2  | 83    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 39.805  | 20.4  | 84    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 38.433  | 23.1  | 84    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 38.842  | 22.3  | 84    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 38.471  | 23.1  | 81    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 37.579  | 24.8  | 81    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 38.378  | 23.2  | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 38.495  | 23.0  | 86    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 37.751  | 24.5  | 78    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 38.529  | 22.9  | 80    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.601  | 2.8   | 101   | 0.00     |

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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 | 39.084 | 21.8 | 81    | 0.00     |

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