

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\Vw121820\  
 Data File : Vw017681.D  
 Acq On : 18 Dec 2020 17:17  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 19 00:14:35 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W121420S.M  
 Quant Title : Sw846 8260  
 QLast Update : Mon Dec 14 12:39:23 2020  
 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   | 70    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000   | 52.636   | -5.3  | 77    | 0.00     |
| 3 P   | Chloromethane               | 50.000   | 39.296   | 21.4  | 60    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000   | 50.339   | -0.7# | 73    | 0.00     |
| 5 T   | Bromomethane                | 50.000   | 54.959   | -9.9  | 78    | 0.00     |
| 6 T   | Chloroethane                | 50.000   | 54.026   | -8.1  | 77    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000   | 55.219   | -10.4 | 77    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000   | 46.016   | 8.0   | 65    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000   | 49.278   | 1.4   | 70    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000   | 47.437   | 5.1   | 68    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000  | 207.987  | 16.8  | 55    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000   | 46.720   | 6.6#  | 67    | 0.00     |
| 13 T  | Acrolein                    | 250.000  | 263.279  | -5.3  | 74    | 0.00     |
| 14 T  | Allyl chloride              | 50.000   | 46.910   | 6.2   | 67    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000  | 243.654  | 2.5   | 66    | 0.00     |
| 16 T  | Acetone                     | 250.000  | 207.127  | 17.1  | 51    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000   | 45.390   | 9.2   | 64    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000   | 47.759   | 4.5   | 66    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000   | 50.734   | -1.5  | 70    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000   | 52.873   | -5.7  | 71    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000   | 48.156   | 3.7   | 69    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000   | 49.158   | 1.7   | 70    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000  | 242.386  | 3.0   | 67    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000   | 49.729   | 0.5   | 71    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000  | 215.891  | 13.6  | 58    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000   | 50.863   | -1.7  | 66    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000   | 49.784   | 0.4   | 71    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000   | 51.230   | -2.5  | 72    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000  | 245.310  | 1.9   | 67    | 0.00     |
| 30 C  | Chloroform                  | 50.000   | 50.558   | -1.1# | 72    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000   | 46.545   | 6.9   | 69    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000   | 50.926   | -1.9  | 71    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000   | 49.741   | 0.5   | 69    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000   | 50.000   | 0.0   | 67    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000   | 49.293   | 1.4   | 68    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000   | 51.735   | -3.5  | 71    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000   | 49.791   | 0.4   | 65    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000   | 51.205   | -2.4  | 69    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000   | 51.779   | -3.6  | 69    | 0.00     |
| 40 TM | Benzene                     | 50.000   | 51.741   | -3.5  | 71    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000   | 53.704   | -7.4  | 69    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000   | 54.571   | -9.1  | 74    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000   | 50.380   | -0.8  | 66    | 0.00     |
| 44 TM | Trichloroethene             | 50.000   | 51.781   | -3.6  | 71    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000   | 51.394   | -2.8# | 70    | 0.00     |
| 46 T  | Dibromomethane              | 50.000   | 53.252   | -6.5  | 73    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 52.602   | -5.2  | 71    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 51.584   | -3.2  | 67    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1067.042 | -6.7  | 65    | 0.00     |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 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) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 50 S  | Toluene-d8                  | 50.000  | 48.937  | 2.1   | 67    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000 | 254.123 | -1.6  | 67    | 0.00     |
| 52 CM | Toluene                     | 50.000  | 52.516  | -5.0# | 73    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000  | 50.408  | -0.8  | 68    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000  | 49.986  | 0.0   | 68    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000  | 52.953  | -5.9  | 73    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000  | 51.799  | -3.6  | 68    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000  | 52.357  | -4.7  | 71    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000 | 257.338 | -2.9  | 72    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000 | 250.127 | -0.1  | 62    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000  | 50.763  | -1.5  | 68    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000  | 52.693  | -5.4  | 71    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000  | 51.323  | -2.6  | 70    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000  | 50.000  | 0.0   | 70    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000  | 51.099  | -2.2  | 72    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000  | 51.723  | -3.4  | 71    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000  | 50.853  | -1.7  | 69    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000  | 52.114  | -4.2# | 72    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000 | 104.186 | -4.2  | 73    | 0.00     |
| 69 T  | o-Xylene                    | 50.000  | 52.192  | -4.4  | 73    | 0.00     |
| 70 T  | Styrene                     | 50.000  | 52.645  | -5.3  | 73    | 0.00     |
| 71 P  | Bromoform                   | 50.000  | 48.491  | 3.0   | 65    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000  | 50.000  | 0.0   | 71    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000  | 50.561  | -1.1  | 73    | 0.00     |
| 74 T  | N-aryl acetate              | 50.000  | 47.690  | 4.6   | 66    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000  | 51.214  | -2.4  | 71    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000  | 57.337  | -14.7 | 83    | 0.00     |
| 77 T  | Bromobenzene                | 50.000  | 49.578  | 0.8   | 71    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000  | 51.447  | -2.9  | 73    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000  | 52.145  | -4.3  | 75    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000  | 50.803  | -1.6  | 72    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000  | 44.876  | 10.2  | 63    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000  | 50.654  | -1.3  | 73    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000  | 50.788  | -1.6  | 72    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000  | 51.419  | -2.8  | 74    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000  | 52.466  | -4.9  | 75    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000  | 52.705  | -5.4  | 76    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000  | 52.480  | -5.0  | 74    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000  | 51.285  | -2.6  | 74    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000  | 52.714  | -5.4  | 76    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000  | 49.276  | 1.4   | 70    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000  | 52.728  | -5.5  | 75    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000  | 50.241  | -0.5  | 69    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000  | 51.681  | -3.4  | 74    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000  | 53.916  | -7.8  | 77    | 0.00     |
| 95 T  | Naphthalene                 | 50.000  | 51.876  | -3.8  | 73    | 0.00     |
| 96 T  | 1,2,3-Trichlorobenzene      | 50.000  | 51.895  | -3.8  | 72    | 0.00     |

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Instrument :  
MSVOA\_W  
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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) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

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