

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD050720\  
 Data File : VD065715.D  
 Acq On : 07 May 2020 17:05  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 08 07:55:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050620S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 06 17:01:16 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 80    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.637  | 6.7   | 76    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.069  | -0.1  | 84    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.171  | -6.3# | 86    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.289  | -4.6  | 88    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.432  | -2.9  | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.006  | 6.0   | 76    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.823  | 8.4   | 75    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.031  | 5.9   | 76    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.741  | -3.5  | 79    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 220.639 | 11.7  | 70    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.146  | 5.7#  | 77    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 199.726 | 20.1# | 71    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 41.735  | 16.5  | 69    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 216.374 | 13.5  | 71    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 206.335 | 17.5  | 61    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.654  | 8.7   | 74    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 40.718  | 18.6  | 66    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.492  | 7.0   | 74    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.004  | 8.0   | 78    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.486  | 7.0   | 78    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 43.796  | 12.4  | 71    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 217.750 | 12.9  | 69    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.088  | 9.8   | 74    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 208.771 | 16.5  | 66    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.534  | 10.9  | 74    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.048  | 5.9   | 77    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.715  | 8.6   | 72    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 209.260 | 16.3  | 67    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.575  | 6.8#  | 77    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.441  | 15.1  | 73    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.719  | 8.6   | 76    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.555  | 8.9   | 71    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 79    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.633  | 0.7   | 75    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.007  | 8.0   | 73    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 43.210  | 13.6  | 69    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.203  | 3.6   | 77    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.192  | 5.6   | 76    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.062  | 5.9   | 75    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 33.506  | 33.0# | 59    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.501  | 7.0   | 74    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 44.029  | 11.9  | 70    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.501  | 1.0   | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.585  | 6.8#  | 74    | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed May 06 17:01:16 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 48.604  | 2.8  | 77    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 47.406  | 5.2  | 76    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 43.097  | 13.8 | 68    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 931.691 | 6.8  | 71    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.422  | 1.2  | 75    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 216.192 | 13.5 | 68    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.464  | 3.1# | 77    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.688  | 6.6  | 74    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.933  | 6.1  | 75    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.920  | 2.2  | 77    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 46.229  | 7.5  | 73    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.284  | 5.4  | 75    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 233.289 | 6.7  | 73    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 213.200 | 14.7 | 66    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.407  | 3.2  | 78    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.725  | 2.5  | 77    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.660  | 6.7  | 71    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 79    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.217  | -0.4 | 81    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.549  | 2.9  | 78    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.057  | 3.9  | 76    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.702  | 4.6# | 77    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.118  | 2.9  | 78    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.390  | 3.2  | 78    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.634  | 2.7  | 78    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.377  | 1.2  | 78    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 80    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.071  | 5.9  | 78    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 41.095  | 17.8 | 66    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.786  | 10.4 | 73    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.642  | 6.7  | 73    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.728  | 0.5  | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.835  | 6.3  | 77    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.161  | 9.7  | 74    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.617  | 4.8  | 78    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.702  | 10.6 | 73    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.861  | 8.3  | 76    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.819  | 4.4  | 79    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.043  | 5.9  | 78    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.733  | 4.5  | 78    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.088  | 3.8  | 79    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.409  | 3.2  | 80    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.619  | 0.8  | 82    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.757  | 6.5  | 77    | 0.00     |

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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 : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 47.531 | 4.9  | 77    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 49.280 | 1.4  | 81    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 42.338 | 15.3 | 68    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 50.051 | -0.1 | 81    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 50.930 | -1.9 | 83    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 48.099 | 3.8  | 77    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 50.668 | -1.3 | 82    | 0.00     |

(#) = Out of Range

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