

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD100720\  
 Data File : VD067181.D  
 Acq On : 08 Oct 2020 05:43  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 08 09:09:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 15:19:17 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   | 66    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.650  | -7.3  | 66    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.667  | 14.7  | 60    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.775  | 12.5# | 60    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 56.512  | -13.0 | 69    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.005  | 6.0   | 63    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.355  | 7.3   | 63    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.810  | -1.6  | 65    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.471  | 15.1  | 58    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.324  | 5.4   | 61    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 253.240 | -1.3  | 68    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.649  | 8.7#  | 61    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 215.017 | 14.0  | 61    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 43.429  | 13.1  | 56    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 240.691 | 3.7   | 63    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 226.820 | 9.3   | 58    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.200  | 11.6  | 59    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.208  | -8.4  | 71    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.925  | -9.8  | 68    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.967  | -11.9 | 69    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.012  | -0.0  | 66    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.240  | 3.5   | 60    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 241.382 | 3.4   | 58    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.873  | 2.3   | 65    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 227.347 | 9.1   | 60    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.579  | 6.8   | 58    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.588  | -5.2  | 69    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.971  | 0.1   | 62    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 237.573 | 5.0   | 60    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.174  | -6.3# | 71    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 37.939  | 24.1# | 52    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.671  | -3.3  | 69    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.122  | -4.2  | 67    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 69    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.645  | -3.3  | 67    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.762  | 8.5   | 62    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.555  | 10.9  | 60    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.233  | -2.5  | 69    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 43.388  | 13.2  | 55    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.263  | 1.5   | 66    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.899  | 4.2   | 60    | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.672  | -7.3  | 73    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.709  | 8.6   | 60    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.705  | -1.4  | 69    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.606  | 0.8#  | 65    | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 15:19:17 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   | 51.976   | -4.0  | 68    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 53.050   | -6.1  | 71    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 45.959   | 8.1   | 57    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1009.375 | -0.9  | 67    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.558   | -1.1  | 64    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 245.486  | 1.8   | 62    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.221   | -6.4# | 69    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.299   | -4.6  | 68    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.424   | -0.8  | 67    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.187   | -2.4  | 68    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.998   | -12.0 | 67    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.754   | -5.5  | 69    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 262.442  | -5.0  | 65    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 248.574  | 0.6   | 62    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.321   | -10.6 | 72    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.542   | -7.1  | 69    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.019   | -6.0  | 68    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 71    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.075   | -0.2  | 72    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.956   | 0.1   | 71    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.313   | -4.6  | 74    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.887   | -1.8# | 69    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.526  | -0.5  | 68    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.641   | -5.3  | 70    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.969   | -5.9  | 70    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.957   | -11.9 | 78    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 73    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.810   | -1.6  | 69    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 44.770   | 10.5  | 62    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.335   | 5.3   | 68    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 36.041   | 27.9# | 50    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.621   | -3.2  | 74    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.404   | 3.2   | 66    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.140   | -0.3  | 70    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.880   | -3.8  | 70    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.968   | 10.1  | 63    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.373   | -0.7  | 71    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.337   | -2.7  | 71    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.927   | -3.9  | 71    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.962   | 2.1   | 67    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.258   | 1.5   | 68    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.719   | 0.6   | 72    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.600   | 0.8   | 73    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.201   | 5.6   | 65    | 0.00     |

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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 | 48.513 | 3.0   | 69    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 50.272 | -0.5  | 72    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.301 | 1.4   | 70    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 54.128 | -8.3  | 74    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 48.589 | 2.8   | 70    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 55.693 | -11.4 | 73    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 54.374 | -8.7  | 74    | 0.00     |

(#) = Out of Range

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