

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081619\  
 Data File : VD063626.D  
 Acq On : 16 Aug 2019 9:39  
 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 17 05:57:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080919S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 10 06:42:47 2019  
 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   | 99    | -0.03    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.640  | 2.7   | 97    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.983  | 8.0   | 96    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.819  | 2.4#  | 94    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.231  | -6.5  | 98    | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 51.192  | -2.4  | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.219  | -6.4  | 101   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.769  | 6.5   | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.486  | 1.0   | 97    | -0.02    |
| 10 T  | Methyl Iodide               | 50.000  | 48.753  | 2.5   | 91    | -0.02    |
| 11 T  | Tert butyl alcohol          | 250.000 | 254.841 | -1.9  | 98    | -0.03    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.666  | 2.7#  | 90    | -0.02    |
| 13 T  | Acrolein                    | 250.000 | 215.491 | 13.8  | 92    | -0.02    |
| 14 T  | Allyl chloride              | 50.000  | 49.671  | 0.7   | 98    | -0.02    |
| 15 T  | Acrylonitrile               | 250.000 | 234.460 | 6.2   | 90    | -0.02    |
| 16 T  | Acetone                     | 250.000 | 293.425 | -17.4 | 103   | -0.02    |
| 17 T  | Carbon Disulfide            | 50.000  | 46.272  | 7.5   | 92    | -0.02    |
| 18 T  | Methyl Acetate              | 50.000  | 44.983  | 10.0  | 96    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.748  | -7.5  | 103   | -0.02    |
| 20 T  | Methylene Chloride          | 50.000  | 43.434  | 13.1  | 90    | -0.02    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.330  | -2.7  | 95    | -0.02    |
| 22 T  | Diisopropyl ether           | 50.000  | 49.683  | 0.6   | 96    | -0.03    |
| 23 T  | Vinyl Acetate               | 250.000 | 259.479 | -3.8  | 101   | -0.03    |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.381  | -2.8  | 100   | -0.03    |
| 25 T  | 2-Butanone                  | 250.000 | 270.999 | -8.4  | 103   | -0.03    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 56.324  | -12.6 | 110   | -0.03    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.100  | -4.2  | 100   | -0.02    |
| 28 T  | Bromochloromethane          | 50.000  | 48.437  | 3.1   | 92    | -0.03    |
| 29    | Tetrahydrofuran             | 250.000 | 239.868 | 4.1   | 92    | -0.02    |
| 30 C  | Chloroform                  | 50.000  | 49.283  | 1.4#  | 97    | -0.03    |
| 31 T  | Cyclohexane                 | 50.000  | 50.056  | -0.1  | 94    | -0.03    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.010  | -4.0  | 100   | -0.02    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.304  | -6.6  | 91    | -0.02    |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 95    | -0.02    |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.882  | -9.8  | 89    | -0.02    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.871  | -11.7 | 101   | -0.03    |
| 37 T  | Ethyl Acetate               | 50.000  | 53.109  | -6.2  | 97    | -0.03    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 59.145  | -18.3 | 100   | -0.02    |
| 39 T  | Methylcyclohexane           | 50.000  | 54.203  | -8.4  | 94    | -0.02    |
| 40 TM | Benzene                     | 50.000  | 55.442  | -10.9 | 99    | -0.02    |
| 41 T  | Methacrylonitrile           | 50.000  | 51.849  | -3.7  | 93    | -0.03    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.683  | -5.4  | 94    | -0.03    |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.051  | -8.1  | 99    | -0.02    |
| 44 TM | Trichloroethene             | 50.000  | 54.812  | -9.6  | 104   | -0.02    |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.294  | -8.6# | 101   | -0.02    |

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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 : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.    | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 52.877   | -5.8  | 94    | -0.02    |
| 47 T  | Bromodichloromethane        | 50.000   | 56.324   | -12.6 | 104   | -0.02    |
| 48 T  | Methyl methacrylate         | 50.000   | 52.414   | -4.8  | 96    | -0.02    |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1053.482 | -5.3  | 97    | -0.03    |
| 50 S  | Toluene-d8                  | 50.000   | 52.779   | -5.6  | 83    | -0.02    |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 275.030  | -10.0 | 105   | -0.02    |
| 52 CM | Toluene                     | 50.000   | 52.746   | -5.5# | 100   | -0.03    |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 56.512   | -13.0 | 101   | -0.02    |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.481   | -13.0 | 100   | -0.02    |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.688   | 0.6   | 92    | -0.02    |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.001   | -4.0  | 92    | -0.02    |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.959   | -7.9  | 98    | -0.02    |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 281.979  | -12.8 | 93    | -0.02    |
| 59 T  | 2-Hexanone                  | 250.000  | 294.370  | -17.7 | 101   | -0.02    |
| 60 T  | Dibromochloromethane        | 50.000   | 54.099   | -8.2  | 98    | -0.02    |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.593   | -5.2  | 98    | -0.02    |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.744   | 4.5   | 84    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 90    | -0.02    |
| 64 T  | Tetrachloroethene           | 50.000   | 57.421   | -14.8 | 102   | -0.03    |
| 65 PM | Chlorobenzene               | 50.000   | 53.121   | -6.2  | 95    | -0.02    |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.068   | -14.1 | 101   | -0.02    |
| 67 C  | Ethyl Benzene               | 50.000   | 53.550   | -7.1# | 95    | -0.02    |
| 68 T  | m/p-Xylenes                 | 100.000  | 107.003  | -7.0  | 97    | -0.02    |
| 69 T  | o-Xylene                    | 50.000   | 53.131   | -6.3  | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.980   | -8.0  | 98    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 58.115   | -16.2 | 101   | -0.02    |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.367   | -4.7  | 95    | -0.02    |
| 74 T  | N-amyl acetate              | 50.000   | 52.407   | -4.8  | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.590   | -7.2  | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.980   | -12.0 | 103   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.026   | -6.1  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.276   | -4.6  | 99    | -0.02    |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.612   | -5.2  | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.506   | 1.0   | 92    | -0.02    |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.806   | -5.6  | 97    | -0.02    |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.911   | 0.2   | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.179   | -2.4  | 96    | -0.02    |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.738   | 0.5   | 91    | -0.02    |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.733   | -9.5  | 108   | -0.02    |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.348   | -4.7  | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.554   | -1.1  | 96    | -0.02    |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.849   | -3.7  | 98    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.070   | -8.1  | 105   | -0.02    |

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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 | 56.737 | -13.5 | 107   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 51.232 | -2.5  | 98    | -0.02    |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 54.221 | -8.4  | 104   | -0.02    |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 56.751 | -13.5 | 101   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 56.641 | -13.3 | 104   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 51.528 | -3.1  | 97    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 54.989 | -10.0 | 105   | 0.00     |

(#) = Out of Range

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