

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\  
 Data File : VV009163.D  
 Acq On : 04 Jan 2019 15:43  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00 G/10ML/MSVOA V/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTD02573

Quant Time: Jan 05 05:00:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM010419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jan 05 04:53:20 2019  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 200%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 1 I  | 1,4-Difluorobenzene         | 25.000 | 25.000 | 0.0  | 92    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 25.000 | 22.493 | 10.0 | 91    | 0.00     |
| 3 T  | Chloromethane               | 25.000 | 22.354 | 10.6 | 90    | 0.00     |
| 4 S  | Vinyl Chloride-d3           | 25.000 | 20.448 | 18.2 | 93    | 0.00     |
| 5 T  | Vinyl chloride              | 25.000 | 23.187 | 7.3  | 93    | 0.00     |
| 6 T  | Bromomethane                | 25.000 | 23.037 | 7.9  | 88    | 0.00     |
| 7 S  | Chloroethane-d5             | 25.000 | 21.674 | 13.3 | 82    | 0.00     |
| 8 T  | Chloroethane                | 25.000 | 23.126 | 7.5  | 80    | 0.00     |
| 9 T  | Trichlorofluoromethane      | 25.000 | 23.557 | 5.8  | 91    | 0.00     |
| 10 S | 1,1-Dichloroethene-d2       | 25.000 | 21.850 | 12.6 | 95    | 0.00     |
| 11 T | 1,1,2-Trichloro-1,2,2-trifl | 25.000 | 23.734 | 5.1  | 93    | 0.00     |
| 12 T | 1,1-Dichloroethene          | 25.000 | 23.999 | 4.0  | 93    | 0.00     |
| 13 T | Acetone                     | 50.000 | 40.208 | 19.6 | 98    | 0.00     |
| 14 T | Carbon disulfide            | 25.000 | 22.783 | 8.9  | 90    | 0.00     |
| 15 T | Methyl Acetate              | 25.000 | 22.004 | 12.0 | 93    | 0.00     |
| 16 T | Methylene chloride          | 25.000 | 21.201 | 15.2 | 86    | 0.00     |
| 17 T | Methyl tert-butyl Ether     | 25.000 | 24.209 | 3.2  | 95    | 0.00     |
| 18 T | trans-1,2-Dichloroethene    | 25.000 | 24.078 | 3.7  | 91    | 0.00     |
| 19 T | 1,1-Dichloroethane          | 25.000 | 24.435 | 2.3  | 93    | 0.00     |
| 20 S | 2-Butanone-d5               | 50.000 | 42.570 | 14.9 | 104   | 0.00     |
| 21   | 2-Butanone                  | 50.000 | 45.392 | 9.2  | 103   | 0.00     |
| 22 T | cis-1,2-Dichloroethene      | 25.000 | 24.551 | 1.8  | 92    | 0.00     |
| 23 T | Bromochloromethane          | 25.000 | 24.270 | 2.9  | 91    | 0.00     |
| 24 S | Chloroform-d                | 25.000 | 22.648 | 9.4  | 94    | 0.00     |
| 25 T | Chloroform                  | 25.000 | 24.587 | 1.7  | 91    | 0.00     |
| 26 S | 1,2-Dichloroethane-d4       | 25.000 | 22.638 | 9.4  | 98    | 0.00     |
| 27 T | 1,2-Dichloroethane          | 25.000 | 24.336 | 2.7  | 95    | 0.00     |
| 28 I | Chlorobenzene-d5            | 25.000 | 25.000 | 0.0  | 93    | 0.00     |
| 29 S | Benzene-d6                  | 25.000 | 22.781 | 8.9  | 95    | 0.00     |
| 30 T | Cyclohexane                 | 25.000 | 23.795 | 4.8  | 94    | 0.00     |
| 31 T | 1,1,1-Trichloroethane       | 25.000 | 24.515 | 1.9  | 92    | 0.00     |
| 32 T | Carbon tetrachloride        | 25.000 | 24.326 | 2.7  | 91    | 0.00     |
| 33 S | 1,2-Dichloropropane-d6      | 25.000 | 22.700 | 9.2  | 97    | 0.00     |
| 34 T | Benzene                     | 25.000 | 24.242 | 3.0  | 92    | 0.00     |
| 35 T | Trichloroethene             | 25.000 | 24.558 | 1.8  | 94    | 0.00     |
| 36 T | Methylcyclohexane           | 25.000 | 23.943 | 4.2  | 94    | 0.00     |
| 37 S | Toluene-d8                  | 25.000 | 22.524 | 9.9  | 95    | 0.00     |
| 38 S | trans-1,3-Dichloropropene-d | 25.000 | 22.279 | 10.9 | 99    | 0.00     |
| 39 S | 2-Hexanone-d5               | 50.000 | 44.452 | 11.1 | 102   | 0.00     |
| 40 T | 1,2-Dichloropropane         | 25.000 | 24.860 | 0.6  | 90    | 0.00     |
| 41 T | Bromodichloromethane        | 25.000 | 24.883 | 0.5  | 92    | 0.00     |
| 42 T | cis-1,3-Dichloropropene     | 25.000 | 25.062 | -0.2 | 93    | 0.00     |
| 43 T | 4-Methyl-2-pentanone        | 50.000 | 46.165 | 7.7  | 102   | 0.00     |
| 44 T | Toluene                     | 25.000 | 24.649 | 1.4  | 92    | 0.00     |
| 45 T | trans-1,3-Dichloropropene   | 25.000 | 25.015 | -0.1 | 95    | 0.00     |

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|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 46 T | 1,1,2-Trichloroethane       | 25.000 | 25.546 | -2.2 | 97    | 0.00     |
| 47 T | Tetrachloroethene           | 25.000 | 24.370 | 2.5  | 92    | 0.00     |
| 48 S | 1,1,2,2-Tetrachloroethane-d | 25.000 | 22.907 | 8.4  | 100   | 0.00     |
| 49 T | 2-Hexanone                  | 50.000 | 46.244 | 7.5  | 102   | 0.00     |
| 50 T | Dibromochloromethane        | 25.000 | 25.393 | -1.6 | 95    | 0.00     |
| 51 T | 1,2-Dibromoethane           | 25.000 | 24.434 | 2.3  | 94    | 0.00     |
| 52 T | Chlorobenzene               | 25.000 | 24.279 | 2.9  | 93    | 0.00     |
| 53 T | Ethylbenzene                | 25.000 | 24.914 | 0.3  | 94    | 0.00     |
| 54 T | m,p-Xylene                  | 25.000 | 24.718 | 1.1  | 93    | 0.00     |
| 55 T | o-xylene                    | 25.000 | 25.562 | -2.2 | 95    | 0.00     |
| 56 T | Styrene                     | 25.000 | 24.973 | 0.1  | 91    | 0.00     |
| 57 T | Isopropylbenzene            | 25.000 | 25.203 | -0.8 | 93    | 0.00     |
| 58 T | 1,1,2,2-Tetrachloroethane   | 25.000 | 24.632 | 1.5  | 97    | 0.00     |
| 59   | 1,2,3-Trichloropropane      | 25.000 | 23.887 | 4.5  | 97    | 0.00     |
| 60 I | 1,4-Dichlorobenzene-d4      | 25.000 | 25.000 | 0.0  | 90    | 0.00     |
| 61 S | 1,2-Dichlorobenzene-d4      | 25.000 | 21.729 | 13.1 | 95    | 0.00     |
| 62 T | Bromoform                   | 25.000 | 25.535 | -2.1 | 95    | 0.00     |
| 63 T | 1,3-Dichlorobenzene         | 25.000 | 24.600 | 1.6  | 92    | 0.00     |
| 64 T | 1,4-Dichlorobenzene         | 25.000 | 23.956 | 4.2  | 91    | 0.00     |
| 65 T | 1,2-Dichlorobenzene         | 25.000 | 24.467 | 2.1  | 91    | 0.00     |
| 66 T | 1,2-Dibromo-3-chloropropane | 25.000 | 24.342 | 2.6  | 95    | 0.00     |
| 67   | 1,3,5-Trichlorobenzene      | 25.000 | 23.806 | 4.8  | 89    | 0.00     |
| 68 T | 1,2,4-trichlorobenzene      | 25.000 | 23.772 | 4.9  | 89    | 0.00     |
| 69   | Naphthalene                 | 25.000 | 24.235 | 3.1  | 99    | 0.00     |
| 70 T | 1,2,3-Trichlorobenzene      | 25.000 | 23.550 | 5.8  | 90    | 0.00     |

(#) = Out of Range

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