

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU010219\  
 Data File : VU028982.D  
 Acq On : 02 Jan 2019 09:45  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTD00551

Quant Time: Jan 03 03:30:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR122818WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Dec 28 03:05:23 2018  
 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         | 5.000  | 5.000  | 0.0  | 79    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 5.000  | 4.812  | 3.8  | 84    | 0.00     |
| 3 T  | Chloromethane               | 5.000  | 4.829  | 3.4  | 85    | 0.00     |
| 4 S  | Vinyl Chloride-d3           | 5.000  | 4.699  | 6.0  | 78    | 0.00     |
| 5 T  | Vinyl chloride              | 5.000  | 4.854  | 2.9  | 83    | 0.00     |
| 6 T  | Bromomethane                | 5.000  | 5.012  | -0.2 | 89    | 0.00     |
| 7 S  | Chloroethane-d5             | 5.000  | 4.739  | 5.2  | 79    | 0.00     |
| 8 T  | Chloroethane                | 5.000  | 4.922  | 1.6  | 86    | 0.00     |
| 9 T  | Trichlorofluoromethane      | 5.000  | 4.681  | 6.4  | 80    | 0.00     |
| 10 T | 1,1,2-Trichloro-1,2,2-trifl | 5.000  | 4.694  | 6.1  | 82    | 0.00     |
| 11 S | 1,1-Dichloroethene-d2       | 5.000  | 4.663  | 6.7  | 81    | 0.00     |
| 12 T | 1,1-Dichloroethene          | 5.000  | 4.673  | 6.5  | 81    | 0.00     |
| 13 T | Acetone                     | 50.000 | 48.945 | 2.1  | 85    | 0.00     |
| 14 T | Carbon disulfide            | 5.000  | 4.878  | 2.4  | 84    | 0.00     |
| 15 T | Methyl Acetate              | 5.000  | 4.643  | 7.1  | 85    | 0.00     |
| 16 T | Methylene chloride          | 5.000  | 3.901  | 22.0 | 82    | 0.00     |
| 17 T | Methyl tert-butyl Ether     | 5.000  | 4.794  | 4.1  | 82    | 0.00     |
| 18 T | trans-1,2-Dichloroethene    | 5.000  | 4.663  | 6.7  | 80    | 0.00     |
| 19 T | 1,1-Dichloroethane          | 5.000  | 5.098  | -2.0 | 87    | 0.00     |
| 20 S | 2-Butanone-d5               | 50.000 | 53.381 | -6.8 | 86    | 0.00     |
| 21 T | 2-Butanone                  | 50.000 | 51.794 | -3.6 | 87    | 0.00     |
| 22 T | cis-1,2-Dichloroethene      | 5.000  | 4.795  | 4.1  | 82    | 0.00     |
| 23 T | Bromochloromethane          | 5.000  | 5.043  | -0.9 | 85    | 0.00     |
| 24 S | Chloroform-d                | 5.000  | 5.101  | -2.0 | 85    | 0.00     |
| 25 T | Chloroform                  | 5.000  | 5.023  | -0.5 | 87    | 0.00     |
| 26 S | 1,2-Dichloroethane-d4       | 5.000  | 4.737  | 5.3  | 80    | 0.00     |
| 27 T | 1,2-Dichloroethane          | 5.000  | 5.001  | -0.0 | 86    | 0.00     |
| 28 I | Chlorobenzene-d5            | 5.000  | 5.000  | 0.0  | 81    | 0.00     |
| 29 T | 1,1,1-Trichloroethane       | 5.000  | 4.914  | 1.7  | 84    | 0.00     |
| 30 T | Cyclohexane                 | 5.000  | 4.823  | 3.5  | 83    | 0.00     |
| 31 T | Carbon tetrachloride        | 5.000  | 5.069  | -1.4 | 87    | 0.00     |
| 32 S | Benzene-d6                  | 5.000  | 4.833  | 3.3  | 82    | 0.00     |
| 33 T | Benzene                     | 5.000  | 4.900  | 2.0  | 84    | 0.00     |
| 34 T | Trichloroethene             | 5.000  | 4.957  | 0.9  | 85    | 0.00     |
| 35 T | Methylcyclohexane           | 5.000  | 4.797  | 4.1  | 84    | 0.00     |
| 36 S | 1,2-Dichloropropane-d6      | 5.000  | 5.099  | -2.0 | 85    | 0.00     |
| 37 T | 1,2-Dichloropropane         | 5.000  | 5.157  | -3.1 | 87    | 0.00     |
| 38 T | Bromodichloromethane        | 5.000  | 5.204  | -4.1 | 90    | 0.00     |
| 39 T | cis-1,3-Dichloropropene     | 5.000  | 5.008  | -0.2 | 86    | 0.00     |
| 40 T | 4-Methyl-2-pentanone        | 50.000 | 51.658 | -3.3 | 88    | 0.00     |
| 41 S | Toluene-d8                  | 5.000  | 4.797  | 4.1  | 82    | 0.00     |
| 42 T | Toluene                     | 5.000  | 4.780  | 4.4  | 83    | 0.00     |
| 43 S | trans-1,3-Dichloropropene-d | 5.000  | 4.968  | 0.6  | 85    | 0.00     |
| 44 T | trans-1,3-Dichloropropene   | 5.000  | 5.131  | -2.6 | 87    | 0.00     |
| 45 T | 1,1,2-Trichloroethane       | 5.000  | 4.935  | 1.3  | 84    | 0.00     |

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Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTD00551

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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) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 46 S | 2-Hexanone-d5               | 50.000 | 50.735 | -1.5  | 83    | 0.00     |
| 47 T | Tetrachloroethene           | 5.000  | 4.886  | 2.3   | 87    | 0.00     |
| 48 T | 2-Hexanone                  | 50.000 | 52.616 | -5.2  | 88    | 0.00     |
| 49 T | Dibromochloromethane        | 5.000  | 5.382  | -7.6  | 91    | 0.00     |
| 50 T | 1,2-Dibromoethane           | 5.000  | 5.008  | -0.2  | 84    | 0.00     |
| 51 T | Chlorobenzene               | 5.000  | 4.801  | 4.0   | 82    | 0.00     |
| 52 T | Ethylbenzene                | 5.000  | 4.806  | 3.9   | 83    | 0.00     |
| 53 T | m,p-xylene                  | 5.000  | 4.828  | 3.4   | 81    | 0.00     |
| 54 T | o-xylene                    | 5.000  | 4.877  | 2.5   | 83    | 0.00     |
| 55 T | Styrene                     | 5.000  | 4.959  | 0.8   | 84    | 0.00     |
| 56 T | Isopropylbenzene            | 5.000  | 4.775  | 4.5   | 82    | 0.00     |
| 57 S | 1,1,2,2-Tetrachloroethane-d | 5.000  | 5.099  | -2.0  | 86    | 0.00     |
| 58 T | 1,1,2,2-Tetrachloroethane   | 5.000  | 5.220  | -4.4  | 87    | 0.00     |
| 59   | 1,2,3-Trichloropropane      | 5.000  | 5.227  | -4.5  | 88    | 0.00     |
| 60 I | 1,4-Dichlorobenzene-d4      | 5.000  | 5.000  | 0.0   | 77    | 0.00     |
| 61 T | Bromoform                   | 5.000  | 5.662  | -13.2 | 90    | 0.00     |
| 62 T | 1,3-Dichlorobenzene         | 5.000  | 5.001  | -0.0  | 83    | 0.00     |
| 63 T | 1,4-Dichlorobenzene         | 5.000  | 4.945  | 1.1   | 84    | 0.00     |
| 64 S | 1,2-Dichlorobenzene-d4      | 5.000  | 5.002  | -0.0  | 82    | 0.00     |
| 65 T | 1,2-Dichlorobenzene         | 5.000  | 5.058  | -1.2  | 84    | 0.00     |
| 66 T | 1,2-Dibromo-3-chloropropane | 5.000  | 5.686  | -13.7 | 93    | 0.00     |
| 67   | 1,3,5-Trichlorobenzene      | 5.000  | 5.156  | -3.1  | 84    | 0.00     |
| 68 T | 1,2,4-trichlorobenzene      | 5.000  | 5.125  | -2.5  | 82    | 0.00     |
| 69   | Naphthalene                 | 5.000  | 5.163  | -3.3  | 80    | 0.00     |
| 70 T | 1,2,3-Trichlorobenzene      | 5.000  | 5.123  | -2.5  | 85    | 0.00     |

(#) = Out of Range

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