

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071918\  
 Data File : VU025512.D  
 Acq On : 19 Jul 2018 09:46  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTD05051

Quant Time: Jul 20 02:35:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 19 01:07:14 2018  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 200%

|      | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 95    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 50.000  | 50.224  | -0.4  | 103   | 0.00     |
| 3 T  | Chloromethane               | 50.000  | 49.851  | 0.3   | 99    | 0.00     |
| 4 S  | Vinyl Chloride-d3           | 50.000  | 43.547  | 12.9  | 83    | 0.00     |
| 5 T  | Vinyl chloride              | 50.000  | 49.484  | 1.0   | 97    | 0.00     |
| 6 T  | Bromomethane                | 50.000  | 58.694  | -17.4 | 112   | 0.00     |
| 7 S  | Chloroethane-d5             | 50.000  | 46.589  | 6.8   | 93    | 0.00     |
| 8 T  | Chloroethane                | 50.000  | 50.777  | -1.6  | 101   | 0.00     |
| 9 T  | Trichlorofluoromethane      | 50.000  | 51.604  | -3.2  | 104   | 0.00     |
| 10 T | 1,1,2-Trichloro-1,2,2-trifl | 50.000  | 54.335  | -8.7  | 117   | 0.00     |
| 11 S | 1,1-Dichloroethene-d2       | 50.000  | 47.692  | 4.6   | 93    | 0.00     |
| 12 T | 1,1-Dichloroethene          | 50.000  | 50.576  | -1.2  | 100   | 0.00     |
| 13 T | Acetone                     | 100.000 | 118.718 | -18.7 | 128   | 0.00     |
| 14 T | Carbon disulfide            | 50.000  | 48.201  | 3.6   | 97    | 0.00     |
| 15 T | Methyl Acetate              | 50.000  | 42.456  | 15.1  | 82    | 0.00     |
| 16 T | Methylene chloride          | 50.000  | 51.758  | -3.5  | 101   | 0.00     |
| 17 T | trans-1,2-Dichloroethene    | 50.000  | 50.692  | -1.4  | 99    | 0.00     |
| 18 T | Methyl tert-butyl Ether     | 50.000  | 48.611  | 2.8   | 92    | 0.00     |
| 19 T | 1,1-Dichloroethane          | 50.000  | 49.719  | 0.6   | 96    | 0.00     |
| 20 T | cis-1,2-Dichloroethene      | 50.000  | 48.498  | 3.0   | 95    | 0.00     |
| 21 S | 2-Butanone-d5               | 100.000 | 86.214  | 13.8  | 79    | 0.00     |
| 22 T | 2-Butanone                  | 100.000 | 98.359  | 1.6   | 95    | 0.00     |
| 23 T | Bromochloromethane          | 50.000  | 51.424  | -2.8  | 97    | 0.00     |
| 24 S | Chloroform-d                | 50.000  | 48.563  | 2.9   | 92    | 0.00     |
| 25 T | Chloroform                  | 50.000  | 49.683  | 0.6   | 95    | 0.00     |
| 26 S | 1,2-Dichloroethane-d4       | 50.000  | 46.710  | 6.6   | 89    | 0.00     |
| 27 T | 1,2-Dichloroethane          | 50.000  | 48.404  | 3.2   | 93    | 0.00     |
| 28 I | Chlorobenzene-d5            | 50.000  | 50.000  | 0.0   | 97    | 0.00     |
| 29 T | Cyclohexane                 | 50.000  | 50.393  | -0.8  | 103   | 0.00     |
| 30 T | 1,1,1-Trichloroethane       | 50.000  | 48.990  | 2.0   | 97    | 0.00     |
| 31 T | Carbon tetrachloride        | 50.000  | 50.060  | -0.1  | 98    | 0.00     |
| 32 S | Benzene-d6                  | 50.000  | 46.389  | 7.2   | 89    | 0.00     |
| 33 T | Benzene                     | 50.000  | 49.087  | 1.8   | 97    | 0.00     |
| 34 T | Trichloroethene             | 50.000  | 48.918  | 2.2   | 99    | 0.00     |
| 35 T | Methylcyclohexane           | 50.000  | 53.081  | -6.2  | 117   | 0.00     |
| 36 S | 1,2-Dichloropropane-d6      | 50.000  | 47.696  | 4.6   | 92    | 0.00     |
| 37 T | 1,2-Dichloropropane         | 50.000  | 49.048  | 1.9   | 95    | 0.00     |
| 38 T | Bromodichloromethane        | 50.000  | 49.290  | 1.4   | 96    | 0.00     |
| 39 T | cis-1,3-Dichloropropene     | 50.000  | 50.957  | -1.9  | 97    | 0.00     |
| 40 T | 4-Methyl-2-pentanone        | 100.000 | 84.705  | 15.3  | 83    | 0.00     |
| 41 S | Toluene-d8                  | 50.000  | 46.781  | 6.4   | 91    | 0.00     |
| 42 T | Toluene                     | 50.000  | 50.632  | -1.3  | 101   | 0.00     |
| 43 S | trans-1,3-Dichloropropene-d | 50.000  | 46.858  | 6.3   | 90    | 0.00     |
| 44 T | trans-1,3-Dichloropropene   | 50.000  | 50.069  | -0.1  | 98    | 0.00     |
| 45 T | 1,1,2-Trichloroethane       | 50.000  | 49.954  | 0.1   | 98    | 0.00     |

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 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTD05051

Quant Time: Jul 20 02:35:21 2018  
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 Quant Title : VOC Analysis  
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 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 200%

|      | Compound                    | Amount  | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|---------|--------|------|-------|----------|
| 46 T | Tetrachloroethene           | 50.000  | 51.179 | -2.4 | 109   | 0.00     |
| 47 S | 2-Hexanone-d5               | 100.000 | 81.385 | 18.6 | 78    | 0.00     |
| 48 T | 2-Hexanone                  | 100.000 | 90.338 | 9.7  | 89    | 0.00     |
| 49 T | Dibromochloromethane        | 50.000  | 49.746 | 0.5  | 97    | 0.00     |
| 50 T | 1,2-Dibromoethane           | 50.000  | 47.942 | 4.1  | 94    | 0.00     |
| 51 T | Chlorobenzene               | 50.000  | 50.969 | -1.9 | 102   | 0.00     |
| 52 T | Ethylbenzene                | 50.000  | 50.811 | -1.6 | 102   | 0.00     |
| 53 T | m,p-Xylene                  | 50.000  | 51.571 | -3.1 | 105   | 0.00     |
| 54 T | o-xylene                    | 50.000  | 51.272 | -2.5 | 103   | 0.00     |
| 55 T | Styrene                     | 50.000  | 52.122 | -4.2 | 103   | 0.00     |
| 56 T | Isopropylbenzene            | 50.000  | 51.767 | -3.5 | 105   | 0.00     |
| 57 S | 1,1,2,2-Tetrachloroethane-d | 50.000  | 47.289 | 5.4  | 92    | 0.00     |
| 58 T | 1,1,2,2-Tetrachloroethane   | 50.000  | 46.327 | 7.3  | 93    | 0.00     |
| 59   | 1,2,3-Trichloropropane      | 50.000  | 44.899 | 10.2 | 90    | 0.00     |
| 60 I | 1,4-Dichlorobenzene-d4      | 50.000  | 50.000 | 0.0  | 105   | 0.00     |
| 61 T | Bromoform                   | 50.000  | 46.636 | 6.7  | 95    | 0.00     |
| 62 T | 1,3-Dichlorobenzene         | 50.000  | 50.274 | -0.5 | 110   | 0.00     |
| 63 T | 1,4-Dichlorobenzene         | 50.000  | 50.203 | -0.4 | 111   | 0.00     |
| 64 S | 1,2-Dichlorobenzene-d4      | 50.000  | 46.898 | 6.2  | 99    | 0.00     |
| 65 T | 1,2-Dichlorobenzene         | 50.000  | 49.978 | 0.0  | 108   | 0.00     |
| 66 T | 1,2-Dibromo-3-chloropropane | 50.000  | 39.577 | 20.8 | 81    | 0.00     |
| 67   | 1,3,5-Trichlorobenzene      | 50.000  | 52.362 | -4.7 | 122   | 0.00     |
| 68 T | 1,2,4-trichlorobenzene      | 50.000  | 49.832 | 0.3  | 113   | 0.00     |
| 69   | Naphthalene                 | 50.000  | 43.010 | 14.0 | 89    | 0.00     |
| 70 T | 1,2,3-Trichlorobenzene      | 50.000  | 48.450 | 3.1  | 105   | 0.00     |

(#) = Out of Range

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