

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102418\  
 Data File : VV008388.D  
 Acq On : 24 Oct 2018 12:46  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTD05074

Quant Time: Oct 25 08:48:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102318WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 24 02:41:57 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                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 1 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0  | 106   | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 0.357 | 0.347 | 2.8  | 104   | 0.00     |
| 3 T  | Chloromethane               | 0.382 | 0.374 | 2.1  | 105   | 0.00     |
| 4 S  | Vinyl Chloride-d3           | 0.277 | 0.254 | 8.3  | 100   | 0.00     |
| 5 T  | Vinyl chloride              | 0.354 | 0.343 | 3.1  | 104   | 0.00     |
| 6 T  | Bromomethane                | 0.097 | 0.097 | 0.0  | 111   | 0.00     |
| 7 S  | Chloroethane-d5             | 0.200 | 0.194 | 3.0  | 107   | 0.00     |
| 8 T  | Chloroethane                | 0.186 | 0.195 | -4.8 | 116   | 0.00     |
| 9 T  | Trichlorofluoromethane      | 0.456 | 0.447 | 2.0  | 104   | 0.00     |
| 10 T | 1,1,2-Trichloro-1,2,2-trifl | 0.238 | 0.244 | -2.5 | 108   | 0.00     |
| 11 S | 1,1-Dichloroethene-d2       | 0.500 | 0.475 | 5.0  | 103   | 0.00     |
| 12 T | 1,1-Dichloroethene          | 0.224 | 0.217 | 3.1  | 105   | 0.00     |
| 13 T | Acetone                     | 0.234 | 0.232 | 0.9  | 114   | 0.00     |
| 14 T | Carbon disulfide            | 1.010 | 0.992 | 1.8  | 106   | 0.00     |
| 15 T | Methyl Acetate              | 0.466 | 0.430 | 7.7  | 100   | 0.00     |
| 16 T | Methylene chloride          | 0.389 | 0.370 | 4.9  | 105   | 0.00     |
| 17 T | trans-1,2-Dichloroethene    | 0.342 | 0.327 | 4.4  | 104   | 0.00     |
| 18 T | Methyl tert-butyl Ether     | 1.224 | 1.186 | 3.1  | 104   | 0.00     |
| 19 T | 1,1-Dichloroethane          | 0.705 | 0.670 | 5.0  | 102   | 0.00     |
| 20 T | cis-1,2-Dichloroethene      | 0.390 | 0.385 | 1.3  | 105   | 0.00     |
| 21 S | 2-Butanone-d5               | 0.301 | 0.287 | 4.7  | 101   | 0.00     |
| 22 T | 2-Butanone                  | 0.337 | 0.337 | 0.0  | 107   | 0.00     |
| 23 T | Bromochloromethane          | 0.184 | 0.176 | 4.3  | 104   | 0.00     |
| 24 S | Chloroform-d                | 0.683 | 0.641 | 6.1  | 102   | 0.00     |
| 25 T | Chloroform                  | 0.689 | 0.660 | 4.2  | 103   | 0.00     |
| 26 S | 1,2-Dichloroethane-d4       | 0.457 | 0.422 | 7.7  | 101   | 0.00     |
| 27 T | 1,2-Dichloroethane          | 0.575 | 0.549 | 4.5  | 103   | 0.00     |
| 28 I | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0  | 106   | 0.00     |
| 29 T | Cyclohexane                 | 0.728 | 0.709 | 2.6  | 106   | 0.00     |
| 30 T | 1,1,1-Trichloroethane       | 0.648 | 0.621 | 4.2  | 103   | 0.00     |
| 31 T | Carbon tetrachloride        | 0.550 | 0.535 | 2.7  | 104   | 0.00     |
| 32 S | Benzene-d6                  | 1.425 | 1.353 | 5.1  | 103   | 0.00     |
| 33 T | Benzene                     | 1.634 | 1.574 | 3.7  | 103   | 0.00     |
| 34 T | Trichloroethene             | 0.418 | 0.402 | 3.8  | 104   | 0.00     |
| 35 T | Methylcyclohexane           | 0.711 | 0.713 | -0.3 | 106   | 0.00     |
| 36 S | 1,2-Dichloropropane-d6      | 0.495 | 0.460 | 7.1  | 102   | 0.00     |
| 37 T | 1,2-Dichloropropane         | 0.451 | 0.434 | 3.8  | 104   | 0.00     |
| 38 T | Bromodichloromethane        | 0.575 | 0.556 | 3.3  | 105   | 0.00     |
| 39 T | cis-1,3-Dichloropropene     | 0.710 | 0.697 | 1.8  | 105   | 0.00     |
| 40 T | 4-Methyl-2-pentanone        | 0.668 | 0.625 | 6.4  | 102   | 0.00     |
| 41 S | Toluene-d8                  | 1.294 | 1.242 | 4.0  | 103   | 0.00     |
| 42 T | Toluene                     | 1.698 | 1.675 | 1.4  | 105   | 0.00     |
| 43 S | trans-1,3-Dichloropropene-d | 0.240 | 0.231 | 3.7  | 103   | 0.00     |
| 44 T | trans-1,3-Dichloropropene   | 0.664 | 0.662 | 0.3  | 106   | 0.00     |
| 45 T | 1,1,2-Trichloroethane       | 0.399 | 0.386 | 3.3  | 103   | 0.00     |

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|      | Compound                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 46 T | Tetrachloroethene           | 0.273 | 0.280 | -2.6 | 109   | 0.00     |
| 47 S | 2-Hexanone-d5               | 0.258 | 0.246 | 4.7  | 102   | 0.00     |
| 48 T | 2-Hexanone                  | 0.516 | 0.492 | 4.7  | 103   | 0.00     |
| 49 T | Dibromochloromethane        | 0.429 | 0.420 | 2.1  | 104   | 0.00     |
| 50 T | 1,2-Dibromoethane           | 0.419 | 0.405 | 3.3  | 103   | 0.00     |
| 51 T | Chlorobenzene               | 1.045 | 1.043 | 0.2  | 107   | 0.00     |
| 52 T | Ethylbenzene                | 1.902 | 1.909 | -0.4 | 106   | 0.00     |
| 53 T | m,p-Xylene                  | 0.695 | 0.694 | 0.1  | 106   | 0.00     |
| 54 T | o-xylene                    | 0.694 | 0.691 | 0.4  | 107   | 0.00     |
| 55 T | Styrene                     | 1.169 | 1.173 | -0.3 | 106   | 0.00     |
| 56 T | Isopropylbenzene            | 1.815 | 1.843 | -1.5 | 108   | 0.00     |
| 57 S | 1,1,2,2-Tetrachloroethane-d | 0.670 | 0.646 | 3.6  | 105   | 0.00     |
| 58 T | 1,1,2,2-Tetrachloroethane   | 0.699 | 0.672 | 3.9  | 103   | 0.00     |
| 59   | 1,2,3-Trichloropropane      | 0.566 | 0.548 | 3.2  | 104   | 0.00     |
| 60 I | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 108   | 0.00     |
| 61 T | Bromoform                   | 0.631 | 0.623 | 1.3  | 108   | 0.00     |
| 62 T | 1,3-Dichlorobenzene         | 1.653 | 1.647 | 0.4  | 109   | 0.00     |
| 63 T | 1,4-Dichlorobenzene         | 1.657 | 1.657 | 0.0  | 109   | 0.00     |
| 64 S | 1,2-Dichlorobenzene-d4      | 1.023 | 0.978 | 4.4  | 107   | 0.00     |
| 65 T | 1,2-Dichlorobenzene         | 1.686 | 1.661 | 1.5  | 107   | 0.00     |
| 66 T | 1,2-Dibromo-3-chloropropane | 0.347 | 0.326 | 6.1  | 102   | 0.00     |
| 67   | 1,3,5-Trichlorobenzene      | 1.079 | 1.111 | -3.0 | 111   | 0.00     |
| 68 T | 1,2,4-trichlorobenzene      | 0.873 | 0.877 | -0.5 | 106   | 0.00     |
| 69   | Naphthalene                 | 2.824 | 2.627 | 7.0  | 99    | 0.00     |
| 70 T | 1,2,3-Trichlorobenzene      | 0.873 | 0.861 | 1.4  | 105   | 0.00     |

(#) = Out of Range

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