

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW072418\  
 Data File : VW004168.D  
 Acq On : 24 Jul 2018 11:27  
 Operator : SY/AP  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTD02597

Quant Time: Jul 24 17:48:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Jul 23 15:53:12 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         | 25.000 | 25.000 | 0.0  | 114   | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 25.000 | 18.710 | 25.2 | 143   | 0.00     |
| 3 T  | Chloromethane               | 25.000 | 22.096 | 11.6 | 131   | 0.00     |
| 4 S  | Vinyl Chloride-d3           | 25.000 | 18.698 | 25.2 | 104   | 0.00     |
| 5 T  | Vinyl chloride              | 25.000 | 21.145 | 15.4 | 121   | 0.00     |
| 6 T  | Bromomethane                | 25.000 | 21.864 | 12.5 | 125   | 0.00     |
| 7 S  | Chloroethane-d5             | 25.000 | 20.783 | 16.9 | 113   | 0.00     |
| 8 T  | Chloroethane                | 25.000 | 21.547 | 13.8 | 120   | 0.00     |
| 9 T  | Trichlorofluoromethane      | 25.000 | 21.018 | 15.9 | 120   | 0.00     |
| 10 S | 1,1-Dichloroethene-d2       | 25.000 | 22.350 | 10.6 | 121   | 0.00     |
| 11 T | 1,1,2-Trichloro-1,2,2-trifl | 25.000 | 25.113 | -0.5 | 135   | 0.00     |
| 12 T | 1,1-Dichloroethene          | 25.000 | 25.002 | -0.0 | 133   | 0.00     |
| 13 T | Acetone                     | 50.000 | 38.182 | 23.6 | 107   | 0.00     |
| 14 T | Carbon disulfide            | 25.000 | 23.860 | 4.6  | 128   | 0.00     |
| 15 T | Methyl Acetate              | 25.000 | 21.028 | 15.9 | 102   | 0.00     |
| 16 T | Methylene chloride          | 25.000 | 19.651 | 21.4 | 123   | 0.00     |
| 17 T | Methyl tert-butyl Ether     | 25.000 | 25.151 | -0.6 | 132   | 0.00     |
| 18 T | trans-1,2-Dichloroethene    | 25.000 | 26.084 | -4.3 | 135   | 0.00     |
| 19 T | 1,1-Dichloroethane          | 25.000 | 26.623 | -6.5 | 137   | 0.00     |
| 20 S | 2-Butanone-d5               | 50.000 | 45.928 | 8.1  | 103   | 0.00     |
| 21   | 2-Butanone                  | 50.000 | 40.424 | 19.2 | 102   | 0.00     |
| 22 T | cis-1,2-Dichloroethene      | 25.000 | 26.952 | -7.8 | 139   | 0.00     |
| 23 T | Bromochloromethane          | 25.000 | 26.644 | -6.6 | 140   | 0.00     |
| 24 S | Chloroform-d                | 25.000 | 25.816 | -3.3 | 134   | 0.00     |
| 25 T | Chloroform                  | 25.000 | 26.461 | -5.8 | 137   | 0.00     |
| 26 S | 1,2-Dichloroethane-d4       | 25.000 | 24.906 | 0.4  | 129   | 0.00     |
| 27 T | 1,2-Dichloroethane          | 25.000 | 25.542 | -2.2 | 131   | 0.00     |
| 28 I | Chlorobenzene-d5            | 25.000 | 25.000 | 0.0  | 118   | 0.00     |
| 29 S | Benzene-d6                  | 25.000 | 24.447 | 2.2  | 131   | 0.00     |
| 30 T | Cyclohexane                 | 25.000 | 25.683 | -2.7 | 130   | 0.00     |
| 31 T | 1,1,1-Trichloroethane       | 25.000 | 24.882 | 0.5  | 133   | 0.00     |
| 32 T | Carbon tetrachloride        | 25.000 | 24.990 | 0.0  | 134   | 0.00     |
| 33 S | 1,2-Dichloropropane-d6      | 25.000 | 25.943 | -3.8 | 138   | 0.00     |
| 34 T | Benzene                     | 25.000 | 26.589 | -6.4 | 137   | 0.00     |
| 35 T | Trichloroethene             | 25.000 | 25.456 | -1.8 | 134   | 0.00     |
| 36 T | Methylcyclohexane           | 25.000 | 26.321 | -5.3 | 131   | 0.00     |
| 37 S | Toluene-d8                  | 25.000 | 24.586 | 1.7  | 129   | 0.00     |
| 38 S | trans-1,3-Dichloropropene-d | 25.000 | 25.332 | -1.3 | 132   | 0.00     |
| 39 S | 2-Hexanone-d5               | 50.000 | 49.343 | 1.3  | 109   | 0.00     |
| 40 T | 1,2-Dichloropropane         | 25.000 | 26.534 | -6.1 | 140   | 0.00     |
| 41 T | Bromodichloromethane        | 25.000 | 26.432 | -5.7 | 139   | 0.00     |
| 42 T | cis-1,3-Dichloropropene     | 25.000 | 27.199 | -8.8 | 140   | 0.00     |
| 43 T | 4-Methyl-2-pentanone        | 50.000 | 45.050 | 9.9  | 109   | 0.00     |
| 44 T | Toluene                     | 25.000 | 27.283 | -9.1 | 136   | 0.00     |
| 45 T | trans-1,3-Dichloropropene   | 25.000 | 26.884 | -7.5 | 138   | 0.00     |

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 Max. RRF Dev : 30% Max. Rel. Area : 200%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 46 T | 1,1,2-Trichloroethane       | 25.000 | 25.281 | -1.1  | 135   | 0.00     |
| 47 T | Tetrachloroethene           | 25.000 | 25.521 | -2.1  | 132   | 0.00     |
| 48 S | 1,1,2,2-Tetrachloroethane-d | 25.000 | 25.341 | -1.4  | 128   | 0.00     |
| 49 T | 2-Hexanone                  | 50.000 | 45.753 | 8.5   | 110   | 0.00     |
| 50 T | Dibromochloromethane        | 25.000 | 26.845 | -7.4  | 143   | 0.00     |
| 51 T | 1,2-Dibromoethane           | 25.000 | 24.857 | 0.6   | 130   | 0.00     |
| 52 T | Chlorobenzene               | 25.000 | 26.842 | -7.4  | 141   | 0.00     |
| 53 T | Ethylbenzene                | 25.000 | 28.226 | -12.9 | 141   | 0.00     |
| 54 T | m,p-Xylene                  | 25.000 | 28.496 | -14.0 | 139   | 0.00     |
| 55 T | o-xylene                    | 25.000 | 28.328 | -13.3 | 139   | 0.00     |
| 56 T | Styrene                     | 25.000 | 28.726 | -14.9 | 140   | 0.00     |
| 57 T | Isopropylbenzene            | 25.000 | 28.226 | -12.9 | 138   | 0.00     |
| 58 T | 1,1,2,2-Tetrachloroethane   | 25.000 | 23.522 | 5.9   | 124   | 0.00     |
| 59   | 1,2,3-Trichloropropane      | 25.000 | 22.842 | 8.6   | 118   | 0.00     |
| 60 I | 1,4-Dichlorobenzene-d4      | 25.000 | 25.000 | 0.0   | 122   | 0.00     |
| 61 S | 1,2-Dichlorobenzene-d4      | 25.000 | 25.507 | -2.0  | 140   | 0.00     |
| 62 T | Bromoform                   | 25.000 | 24.462 | 2.2   | 131   | 0.00     |
| 63 T | 1,3-Dichlorobenzene         | 25.000 | 26.489 | -6.0  | 141   | 0.00     |
| 64 T | 1,4-Dichlorobenzene         | 25.000 | 26.200 | -4.8  | 143   | 0.00     |
| 65 T | 1,2-Dichlorobenzene         | 25.000 | 26.590 | -6.4  | 143   | 0.00     |
| 66 T | 1,2-Dibromo-3-chloropropane | 25.000 | 20.711 | 17.2  | 109   | 0.00     |
| 67   | 1,3,5-Trichlorobenzene      | 25.000 | 26.448 | -5.8  | 142   | 0.00     |
| 68 T | 1,2,4-trichlorobenzene      | 25.000 | 26.461 | -5.8  | 142   | 0.00     |
| 69   | Naphthalene                 | 25.000 | 25.552 | -2.2  | 128   | 0.00     |
| 70 T | 1,2,3-Trichlorobenzene      | 25.000 | 27.247 | -9.0  | 143   | 0.00     |

(#) = Out of Range

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