

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031419\  
 Data File : VW009173.D  
 Acq On : 14 Mar 2019 16:45  
 Operator : SY/VA  
 Sample : VSTDICV025  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV06

Quant Time: Mar 15 06:50:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 14 16:36:23 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 0.329 | 0.305 | 7.3   | 88    | 0.00     |
| 3 T  | Chloromethane               | 0.349 | 0.398 | -14.0 | 112   | 0.00     |
| 4 S  | Vinyl Chloride-d3           | 0.299 | 0.317 | -6.0  | 96    | 0.00     |
| 5 T  | Vinyl chloride              | 0.360 | 0.433 | -20.3 | 110   | 0.00     |
| 6 T  | Bromomethane                | 0.301 | 0.324 | -7.6  | 109   | 0.00     |
| 7 S  | Chloroethane-d5             | 0.350 | 0.328 | 6.3   | 95    | 0.00     |
| 8 T  | Chloroethane                | 0.298 | 0.316 | -6.0  | 108   | 0.00     |
| 9 T  | Trichlorofluoromethane      | 0.284 | 0.271 | 4.6   | 96    | 0.00     |
| 10 S | 1,1-Dichloroethene-d2       | 0.646 | 0.653 | -1.1  | 95    | 0.00     |
| 11 T | 1,1,2-Trichloro-1,2,2-trifl | 0.328 | 0.328 | 0.0   | 100   | 0.00     |
| 12 T | 1,1-Dichloroethene          | 0.308 | 0.330 | -7.1  | 104   | 0.00     |
| 13 T | Acetone                     | 0.101 | 0.110 | -8.9  | 110   | 0.00     |
| 14 T | Carbon disulfide            | 0.829 | 0.960 | -15.8 | 105   | 0.00     |
| 15 T | Methyl Acetate              | 0.199 | 0.211 | -6.0  | 105   | 0.00     |
| 16 T | Methylene chloride          | 0.365 | 0.349 | 4.4   | 105   | 0.00     |
| 17 T | Methyl tert-butyl Ether     | 0.436 | 0.476 | -9.2  | 104   | 0.00     |
| 18 T | trans-1,2-Dichloroethene    | 0.324 | 0.343 | -5.9  | 103   | 0.00     |
| 19 T | 1,1-Dichloroethane          | 0.590 | 0.625 | -5.9  | 103   | 0.00     |
| 20 S | 2-Butanone-d5               | 0.124 | 0.122 | 1.6   | 91    | 0.00     |
| 21   | 2-Butanone                  | 0.140 | 0.154 | -10.0 | 107   | 0.00     |
| 22 T | cis-1,2-Dichloroethene      | 0.351 | 0.374 | -6.6  | 103   | 0.00     |
| 23 T | Bromochloromethane          | 0.168 | 0.173 | -3.0  | 102   | 0.00     |
| 24 S | Chloroform-d                | 0.682 | 0.662 | 2.9   | 91    | 0.00     |
| 25 T | Chloroform                  | 0.618 | 0.648 | -4.9  | 103   | 0.00     |
| 26 S | 1,2-Dichloroethane-d4       | 0.411 | 0.398 | 3.2   | 92    | 0.00     |
| 27 T | 1,2-Dichloroethane          | 0.461 | 0.493 | -6.9  | 105   | 0.00     |
| 28 I | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 29 S | Benzene-d6                  | 1.379 | 1.333 | 3.3   | 90    | 0.00     |
| 30 T | Cyclohexane                 | 0.568 | 0.624 | -9.9  | 102   | 0.00     |
| 31 T | 1,1,1-Trichloroethane       | 0.499 | 0.531 | -6.4  | 103   | 0.00     |
| 32 T | Carbon tetrachloride        | 0.504 | 0.536 | -6.3  | 102   | 0.00     |
| 33 S | 1,2-Dichloropropane-d6      | 0.414 | 0.406 | 1.9   | 90    | 0.00     |
| 34 T | Benzene                     | 1.368 | 1.469 | -7.4  | 102   | 0.00     |
| 35 T | Trichloroethene             | 0.365 | 0.383 | -4.9  | 102   | 0.00     |
| 36 T | Methylcyclohexane           | 0.631 | 0.673 | -6.7  | 101   | 0.00     |
| 37 S | Toluene-d8                  | 1.275 | 1.243 | 2.5   | 90    | 0.00     |
| 38 S | trans-1,3-Dichloropropene-d | 0.208 | 0.201 | 3.4   | 88    | 0.00     |
| 39 S | 2-Hexanone-d5               | 0.100 | 0.102 | -2.0  | 89    | 0.00     |
| 40 T | 1,2-Dichloropropane         | 0.351 | 0.374 | -6.6  | 103   | 0.00     |
| 41 T | Bromodichloromethane        | 0.487 | 0.526 | -8.0  | 104   | 0.00     |
| 42 T | cis-1,3-Dichloropropene     | 0.572 | 0.622 | -8.7  | 104   | 0.00     |
| 43 T | 4-Methyl-2-pentanone        | 0.318 | 0.339 | -6.6  | 103   | 0.00     |
| 44 T | Toluene                     | 1.496 | 1.595 | -6.6  | 102   | 0.00     |
| 45 T | trans-1,3-Dichloropropene   | 0.497 | 0.539 | -8.5  | 103   | 0.00     |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV06

Quant Time: Mar 15 06:50:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
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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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 46 T | 1,1,2-Trichloroethane       | 0.280 | 0.296 | -5.7  | 102   | 0.00     |
| 47 T | Tetrachloroethene           | 0.308 | 0.321 | -4.2  | 101   | 0.00     |
| 48 S | 1,1,2,2-Tetrachloroethane-d | 0.408 | 0.403 | 1.2   | 91    | 0.00     |
| 49 T | 2-Hexanone                  | 0.224 | 0.253 | -12.9 | 102   | 0.00     |
| 50 T | Dibromochloromethane        | 0.346 | 0.376 | -8.7  | 105   | 0.00     |
| 51 T | 1,2-Dibromoethane           | 0.284 | 0.309 | -8.8  | 106   | 0.00     |
| 52 T | Chlorobenzene               | 0.960 | 1.024 | -6.7  | 102   | 0.00     |
| 53 T | Ethylbenzene                | 1.682 | 1.826 | -8.6  | 103   | 0.00     |
| 54 T | m,p-Xylene                  | 0.639 | 0.685 | -7.2  | 101   | 0.00     |
| 55 T | o-xylene                    | 0.623 | 0.662 | -6.3  | 101   | 0.00     |
| 56 T | Styrene                     | 1.064 | 1.163 | -9.3  | 103   | 0.00     |
| 57 T | Isopropylbenzene            | 1.670 | 1.801 | -7.8  | 101   | 0.00     |
| 58 T | 1,1,2,2-Tetrachloroethane   | 0.378 | 0.406 | -7.4  | 105   | 0.00     |
| 59   | 1,2,3-Trichloropropane      | 0.280 | 0.305 | -8.9  | 107   | 0.00     |
| 60 I | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 61 S | 1,2-Dichlorobenzene-d4      | 0.959 | 0.930 | 3.0   | 90    | 0.00     |
| 62 T | Bromoform                   | 0.422 | 0.465 | -10.2 | 107   | 0.00     |
| 63 T | 1,3-Dichlorobenzene         | 1.490 | 1.571 | -5.4  | 101   | 0.00     |
| 64 T | 1,4-Dichlorobenzene         | 1.540 | 1.614 | -4.8  | 102   | 0.00     |
| 65 T | 1,2-Dichlorobenzene         | 1.421 | 1.508 | -6.1  | 102   | 0.00     |
| 66 T | 1,2-Dibromo-3-chloropropane | 0.139 | 0.146 | -5.0  | 106   | 0.00     |
| 67   | 1,3,5-Trichlorobenzene      | 1.162 | 1.228 | -5.7  | 103   | 0.00     |
| 68 T | 1,2,4-trichlorobenzene      | 0.976 | 1.055 | -8.1  | 103   | 0.00     |
| 69   | Naphthalene                 | 2.024 | 2.325 | -14.9 | 107   | 0.00     |
| 70 T | 1,2,3-Trichlorobenzene      | 0.914 | 0.996 | -9.0  | 106   | 0.00     |

(#) = Out of Range

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