

## Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032520\  
 Data File : VW015130.D  
 Acq On : 25 Mar 2020 10:03  
 Operator : SY/VA  
 Sample : VSTD00503  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 25 14:05:36 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\SOM2WLM032520S.M

Quant Title : VOC Analysis

QLast Update : Wed Mar 25 13:57:31 2020

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 606978   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 541297   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 226398   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |       |     |        |      |      |      |
|-------------------------------|-------|-----|--------|------|------|------|
| 4) Vinyl Chloride-d3          | 2.35  | 65  | 57154  | 4.03 | ug/L | 0.00 |
| 7) Chloroethane-d5            | 2.89  | 69  | 46164  | 4.42 | ug/L | 0.00 |
| 10) 1,1-Dichloroethene-d2     | 4.03  | 63  | 111388 | 4.88 | ug/L | 0.00 |
| 20) 2-Butanone-d5             | 7.08  | 46  | 21649  | 8.78 | ug/L | 0.00 |
| 24) Chloroform-d              | 7.65  | 84  | 98286  | 5.11 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4     | 8.31  | 65  | 56014  | 5.18 | ug/L | 0.00 |
| 29) Benzene-d6                | 8.27  | 84  | 187627 | 5.25 | ug/L | 0.00 |
| 33) 1,2-Dichloropropane-d6    | 9.27  | 67  | 61692  | 5.15 | ug/L | 0.00 |
| 37) Toluene-d8                | 10.32 | 98  | 152123 | 5.10 | ug/L | 0.00 |
| 38) trans-1,3-Dichloropropene | 10.57 | 79  | 21572  | 4.85 | ug/L | 0.00 |
| 39) 2-Hexanone-d5             | 10.92 | 63  | 14396  | 8.95 | ug/L | 0.00 |
| 48) 1,1,2,2-Tetrachloroethane | 12.69 | 84  | 39320  | 5.02 | ug/L | 0.00 |
| 61) 1,2-Dichlorobenzene-d4    | 13.85 | 152 | 41493  | 5.18 | ug/L | 0.00 |

## Target Compounds

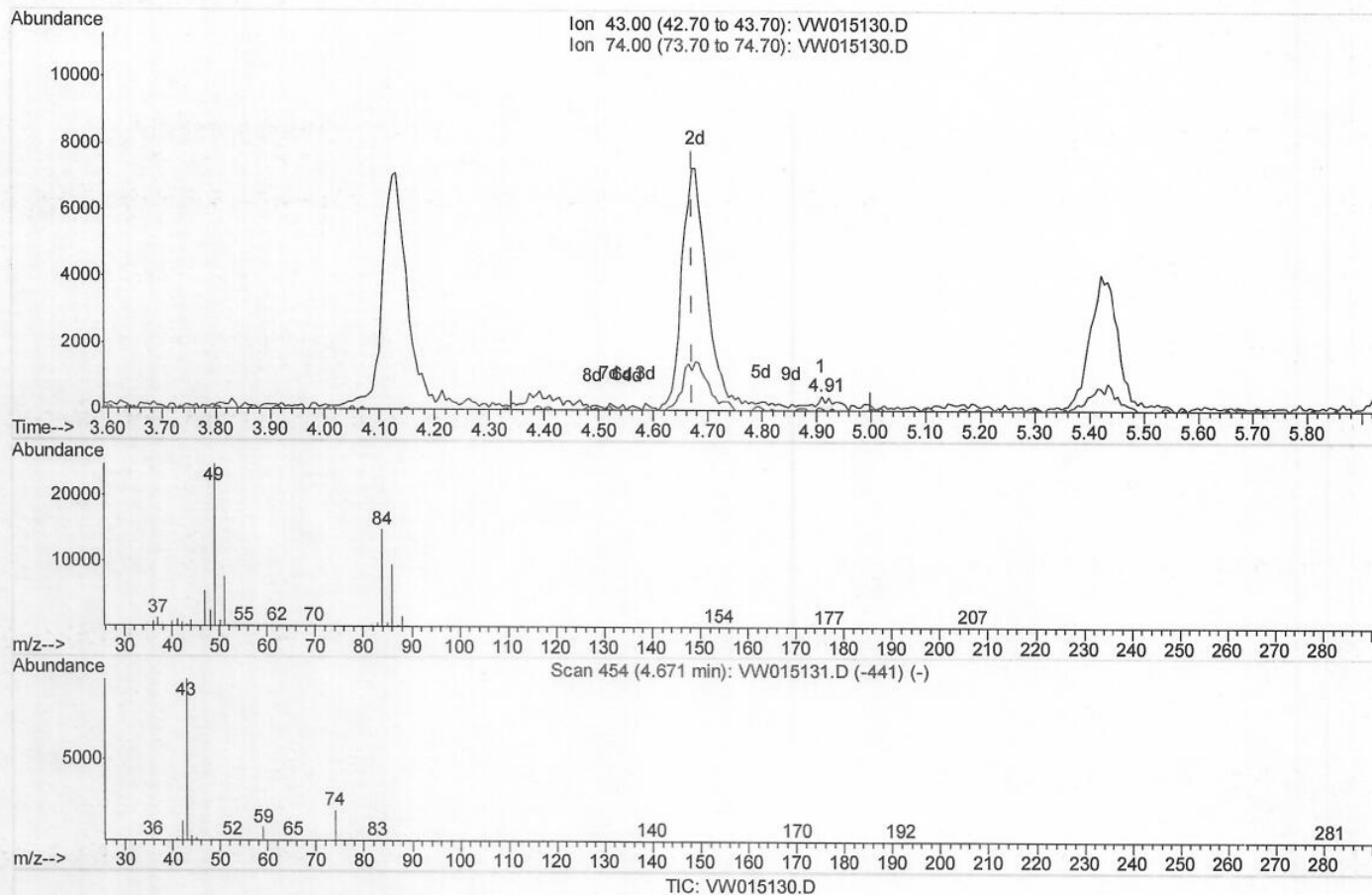
|                                |       |     |        |       | Qvalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) Dichlorodifluoromethane     | 2.01  | 85  | 23306  | 4.570 | ug/L 97   |
| 3) Chloromethane               | 2.21  | 50  | 47813  | 4.239 | ug/L 95   |
| 5) Vinyl chloride              | 2.36  | 62  | 64413  | 4.383 | ug/L 97   |
| 6) Bromomethane                | 2.78  | 94  | 35952  | 5.255 | ug/L 95   |
| 8) Chloroethane                | 2.93  | 64  | 38511  | 4.710 | ug/L 94   |
| 9) Trichlorofluoromethane      | 3.26  | 101 | 34320  | 5.007 | ug/L 98   |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.07  | 101 | 51856  | 5.482 | ug/L 97   |
| 12) 1,1-Dichloroethene         | 4.04  | 96  | 45387  | 5.056 | ug/L 94   |
| 13) Acetone                    | 4.13  | 43  | 21546  | 7.817 | ug/L 98   |
| 14) Carbon disulfide           | 4.39  | 76  | 172743 | 5.098 | ug/L 98   |
| 15) Methyl Acetate             | 4.68  | 43  | 23307m | 4.647 | ug/L 98   |
| 16) Methylene chloride         | 4.92  | 84  | 55650  | 5.003 | ug/L 98   |
| 17) Methyl tert-butyl Ether    | 5.42  | 73  | 53845  | 4.865 | ug/L 99   |
| 18) trans-1,2-Dichloroethene   | 5.42  | 96  | 46210  | 4.964 | ug/L 93   |
| 19) 1,1-Dichloroethane         | 6.22  | 63  | 101640 | 4.919 | ug/L 98   |
| 21) 2-Butanone                 | 7.18  | 43  | 24601  | 7.277 | ug/L 96   |
| 22) cis-1,2-Dichloroethene     | 7.17  | 96  | 45500  | 4.831 | ug/L 89   |
| 23) Bromochloromethane         | 7.52  | 128 | 18595  | 5.019 | ug/L 93   |
| 25) Chloroform                 | 7.68  | 83  | 93639  | 4.983 | ug/L 98   |
| 27) 1,2-Dichloroethane         | 8.40  | 62  | 64857  | 5.000 | ug/L # 95 |
| 30) Cyclohexane                | 7.96  | 56  | 81616  | 4.578 | ug/L 97   |
| 31) 1,1,1-Trichloroethane      | 7.87  | 97  | 76030  | 5.461 | ug/L 98   |
| 32) Carbon tetrachloride       | 8.07  | 117 | 64369  | 5.186 | ug/L 100  |
| 34) Benzene                    | 8.32  | 78  | 206085 | 5.176 | ug/L 100  |
| 35) Trichloroethene            | 9.09  | 95  | 49969  | 5.148 | ug/L 98   |
| 36) Methylcyclohexane          | 9.34  | 83  | 80506  | 4.867 | ug/L 97   |
| 40) 1,2-Dichloropropane        | 9.37  | 63  | 56505  | 5.112 | ug/L 98   |
| 41) Bromodichloromethane       | 9.64  | 83  | 63076  | 5.057 | ug/L 99   |
| 42) cis-1,3-Dichloropropene    | 10.07 | 75  | 67102  | 4.662 | ug/L 95   |
| 43) 4-Methyl-2-pentanone       | 10.21 | 43  | 50992  | 8.213 | ug/L 99   |

MD  
03/30/2020

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 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 25 13:57:31 2020  
 Response via : Initial Calibration



(15) Methyl Acetate (T)

4.909min (+0.238) 0.07ug/L

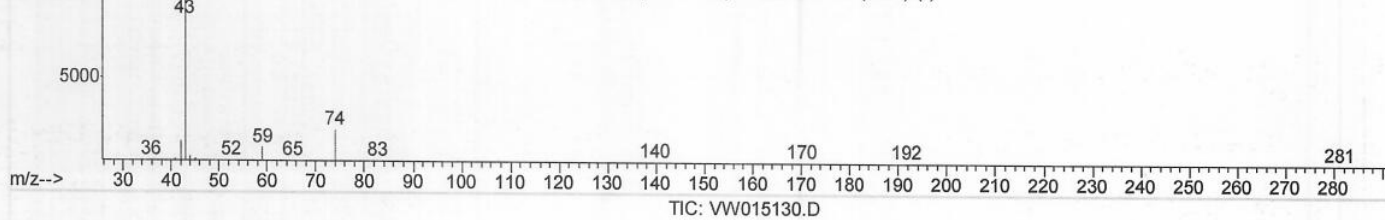
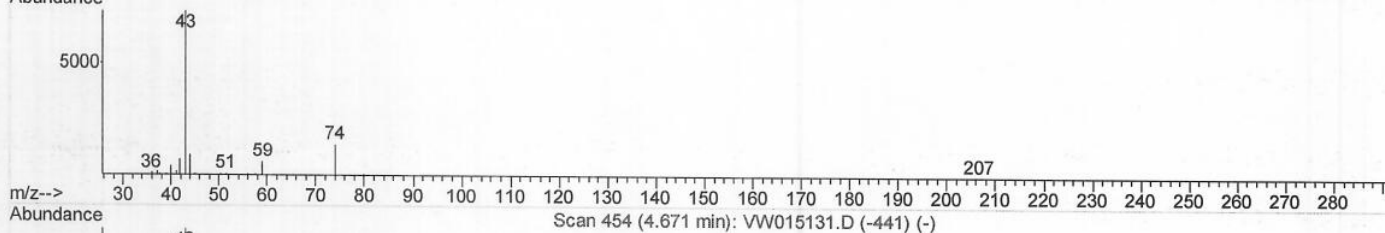
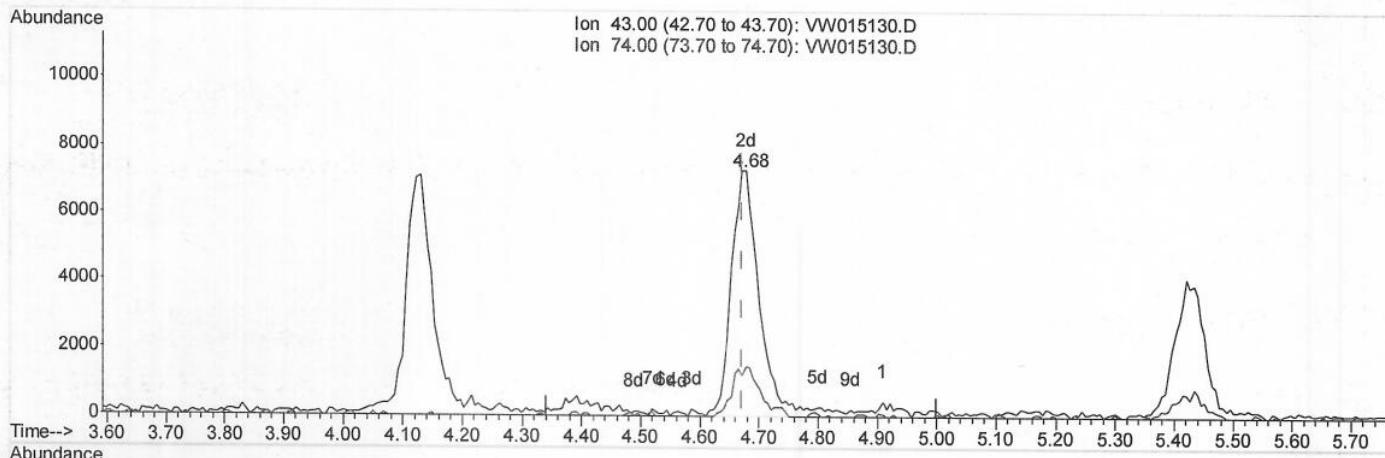
response 335

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 74.00 | 19.40 | 18.51 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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(15) Methyl Acetate (T)

4.678min (+0.006) 4.65ug/L m>

response 23307

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 74.00 | 19.40 | 0.27# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

MD  
 03/30/2020

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 44) Toluene                    | 10.38 | 91   | 193682   | 4.997 | ug/L  | 99       |
| 45) trans-1,3-Dichloropropene  | 10.60 | 75   | 58077    | 4.901 | ug/L  | 94       |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 31260    | 4.962 | ug/L  | 97       |
| 47) Tetrachloroethene          | 10.87 | 164  | 31731    | 5.087 | ug/L  | 93       |
| 49) 2-Hexanone                 | 10.97 | 43   | 32410    | 7.310 | ug/L  | 98       |
| 50) Dibromochloromethane       | 11.13 | 129  | 31752    | 4.768 | ug/L  | 97       |
| 51) 1,2-Dibromoethane          | 11.23 | 107  | 26920    | 4.897 | ug/L  | 97       |
| 52) Chlorobenzene              | 11.66 | 112  | 116157   | 5.082 | ug/L  | 97       |
| 53) Ethylbenzene               | 11.73 | 91   | 201992   | 4.759 | ug/L  | 99       |
| 54) m,p-Xylene                 | 11.83 | 106  | 70356    | 4.745 | ug/L  | 99       |
| 55) o-xylene                   | 12.16 | 106  | 64274    | 4.637 | ug/L  | 98       |
| 56) Styrene                    | 12.18 | 104  | 106165   | 4.483 | ug/L  | 94       |
| 57) Isopropylbenzene           | 12.46 | 105  | 180457   | 4.777 | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 38419    | 4.827 | ug/L  | 95       |
| 59) 1,2,3-Trichloropropane     | 12.77 | 75   | 28400    | 4.654 | ug/L  | 97       |
| 62) Bromoform                  | 12.35 | 173  | 15506    | 4.863 | ug/L  | 96       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 74726    | 5.106 | ug/L  | 99       |
| 64) 1,4-Dichlorobenzene        | 13.58 | 146  | 78384    | 5.185 | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 66189    | 4.975 | ug/L  | 95       |
| 66) 1,2-Dibromo-3-chloropropan | 14.48 | 75   | 6266     | 5.285 | ug/L  | 97       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 47447    | 4.893 | ug/L  | 97       |
| 68) 1,2,4-trichlorobenzene     | 15.13 | 180  | 31810    | 4.442 | ug/L  | 96       |
| 69) Naphthalene                | 15.36 | 128  | 47862    | 5.916 | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.55 | 180  | 29607    | 4.592 | ug/L  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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