

# Quantitation Report (Qedit)

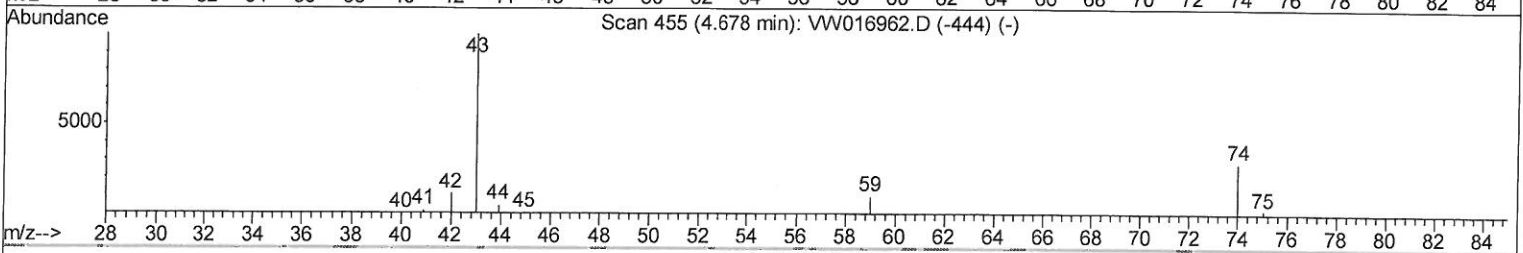
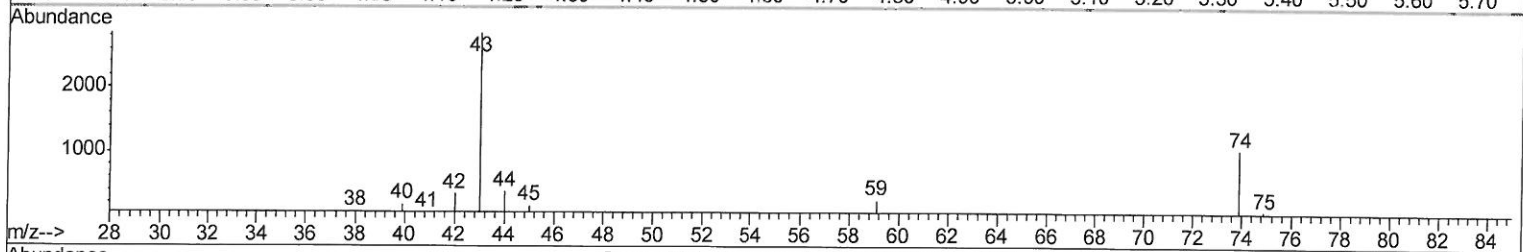
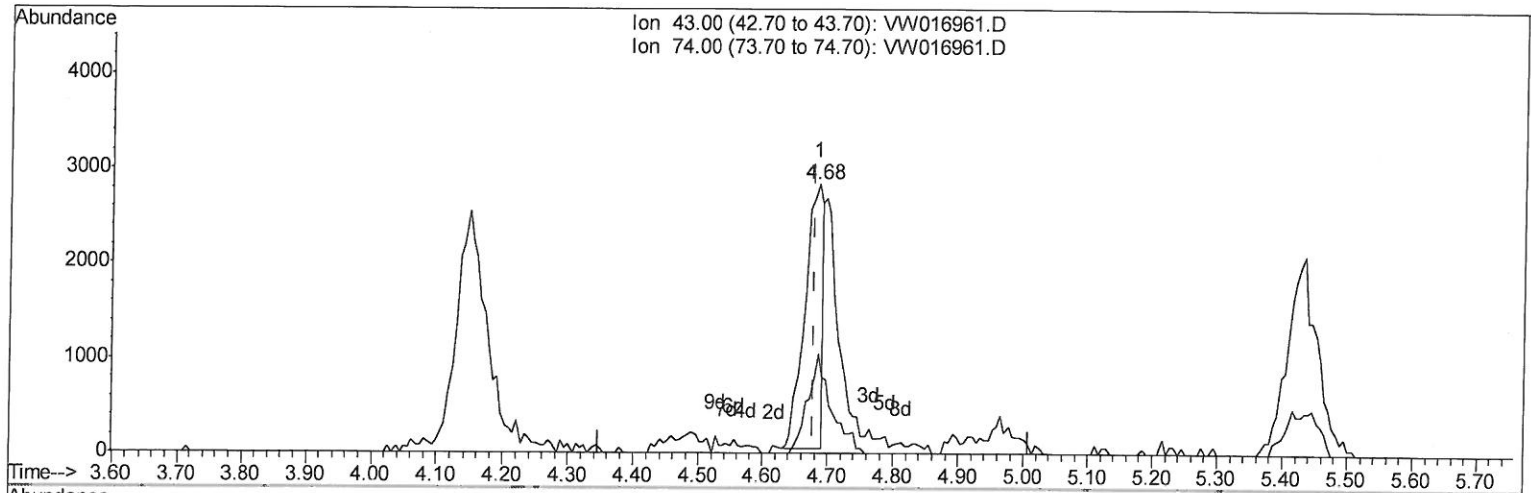
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102220\  
 Data File : VW016961.D  
 Acq On : 22 Oct 2020 10:28  
 Operator : SY/VA  
 Sample : VSTD00504  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD00504

Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2020 1:37:05 PM

Quant Time: Oct 22 12:04:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 22 11:56:32 2020  
 Response via : Initial Calibration



TIC: VW016961.D

(15) Methyl Acetate (T)  
 4.684min (+0.006) 2.56ug/L  
 response 5428

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 43.00 | 100   | 100    |
| 74.00 | 28.50 | 45.97# |
| 0.00  | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

## Quantitation Report (Qedit)

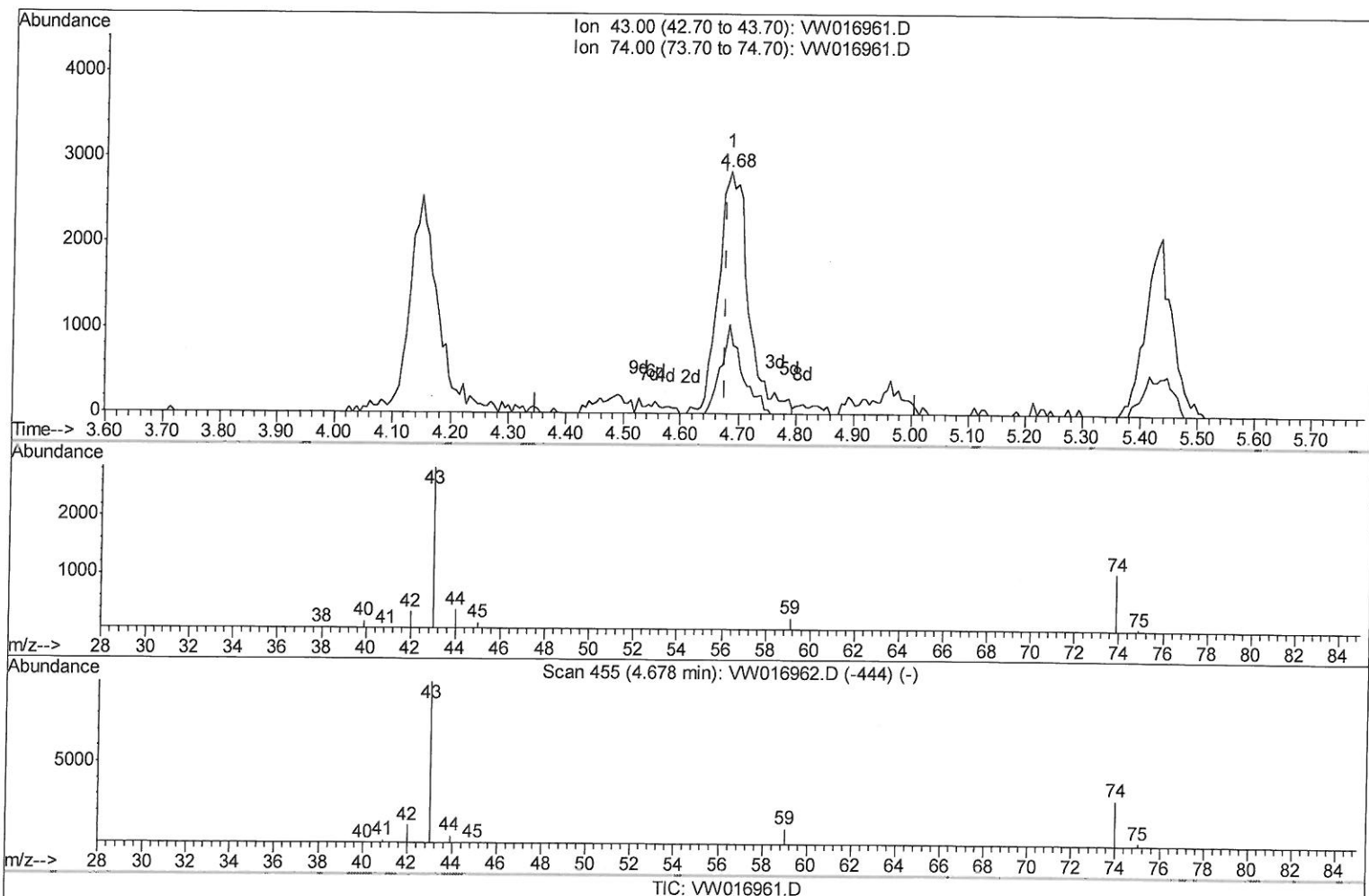
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102220\  
Data File : VW016961.D  
Acq On : 22 Oct 2020 10:28  
Operator : SY/VA  
Sample : VSTD00504  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD00504

Manual Integrations  
APPROVED

MMDadoda  
10/26/2020 1:37:05 PM

Quant Time: Oct 22 12:04:48 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 22 11:56:32 2020  
Response via : Initial Calibration



(15) Methyl Acetate (T)

4.684min (+0.006) 4.82ug/L m

> 10/27/20 by

response 10237

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 74.00 | 28.50 | 24.37 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102220\  
 Data File : VW016961.D  
 Acq On : 22 Oct 2020 10:28  
 Operator : SY/VA  
 Sample : VSTD00504  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD00504

Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2020 1:37:05 PM

Quant Time: Oct 22 12:17:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 22 11:56:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 534230   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 484380   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 237315   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |       |     |        |       |      |      |
|-------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3          | 2.36  | 65  | 36624  | 6.90  | ug/L | 0.00 |
| 7) Chloroethane-d5            | 2.90  | 69  | 27449  | 6.21  | ug/L | 0.00 |
| 10) 1,1-Dichloroethene-d2     | 4.03  | 63  | 67587  | 6.04  | ug/L | 0.00 |
| 20) 2-Butanone-d5             | 7.09  | 46  | 12172  | 10.39 | ug/L | 0.00 |
| 24) Chloroform-d              | 7.65  | 84  | 70048  | 6.20  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4     | 8.31  | 65  | 33425  | 6.17  | ug/L | 0.00 |
| 29) Benzene-d6                | 8.28  | 84  | 143643 | 6.51  | ug/L | 0.00 |
| 33) 1,2-Dichloropropane-d6    | 9.28  | 67  | 38008  | 6.38  | ug/L | 0.00 |
| 37) Toluene-d8                | 10.33 | 98  | 132132 | 6.34  | ug/L | 0.00 |
| 38) trans-1,3-Dichloropropene | 10.59 | 79  | 14925  | 5.74  | ug/L | 0.00 |
| 39) 2-Hexanone-d5             | 10.93 | 63  | 9062   | 10.08 | ug/L | 0.00 |
| 48) 1,1,2,2-Tetrachloroethane | 12.69 | 84  | 28328  | 5.99  | ug/L | 0.00 |
| 61) 1,2-Dichlorobenzene-d4    | 13.86 | 152 | 45882  | 6.08  | ug/L | 0.00 |

## Target Compounds

|                                |       |     |        |       | Qvalue |     |
|--------------------------------|-------|-----|--------|-------|--------|-----|
| 2) Dichlorodifluoromethane     | 2.01  | 85  | 30616  | 4.850 | ug/L   | 98  |
| 3) Chloromethane               | 2.21  | 50  | 25694  | 4.653 | ug/L   | 97  |
| 5) Vinyl chloride              | 2.37  | 62  | 39041  | 5.301 | ug/L   | 99  |
| 6) Bromomethane                | 2.78  | 94  | 26332  | 4.912 | ug/L   | 98  |
| 8) Chloroethane                | 2.93  | 64  | 21846  | 4.851 | ug/L   | 96  |
| 9) Trichlorofluoromethane      | 3.26  | 101 | 28686  | 5.000 | ug/L   | 96  |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.07  | 101 | 37391  | 5.169 | ug/L   | 98  |
| 12) 1,1-Dichloroethene         | 4.04  | 96  | 35147  | 5.078 | ug/L   | 91  |
| 13) Acetone                    | 4.15  | 43  | 7920   | 8.946 | ug/L   | 74  |
| 14) Carbon disulfide           | 4.39  | 76  | 103322 | 5.164 | ug/L   | 100 |
| 15) Methyl Acetate             | 4.68  | 43  | 10237m | 4.821 | ug/L   | 92  |
| 16) Methylene chloride         | 4.92  | 84  | 36419  | 4.931 | ug/L   | 92  |
| 17) Methyl tert-butyl Ether    | 5.43  | 73  | 37015  | 4.801 | ug/L # | 94  |
| 18) trans-1,2-Dichloroethene   | 5.43  | 96  | 36132  | 4.978 | ug/L   | 94  |
| 19) 1,1-Dichloroethane         | 6.22  | 63  | 56484  | 5.058 | ug/L   | 99  |
| 21) 2-Butanone                 | 7.18  | 43  | 12605  | 8.425 | ug/L   | 98  |
| 22) cis-1,2-Dichloroethene     | 7.17  | 96  | 36761  | 4.965 | ug/L   | 98  |
| 23) Bromochloromethane         | 7.52  | 128 | 17076  | 4.933 | ug/L   | 95  |
| 25) Chloroform                 | 7.68  | 83  | 59717  | 4.960 | ug/L   | 100 |
| 27) 1,2-Dichloroethane         | 8.40  | 62  | 33993  | 4.794 | ug/L # | 94  |
| 30) Cyclohexane                | 7.96  | 56  | 48775  | 4.840 | ug/L   | 98  |
| 31) 1,1,1-Trichloroethane      | 7.88  | 97  | 52518  | 5.062 | ug/L   | 99  |
| 32) Carbon tetrachloride       | 8.07  | 117 | 50430  | 5.034 | ug/L   | 98  |
| 34) Benzene                    | 8.33  | 78  | 135022 | 5.176 | ug/L   | 100 |
| 35) Trichloroethene            | 9.09  | 95  | 37205  | 5.061 | ug/L   | 99  |
| 36) Methylcyclohexane          | 9.34  | 83  | 60581  | 4.874 | ug/L   | 98  |
| 40) 1,2-Dichloropropane        | 9.37  | 63  | 29790  | 5.046 | ug/L   | 99  |
| 41) Bromodichloromethane       | 9.65  | 83  | 39564  | 4.797 | ug/L   | 97  |
| 42) cis-1,3-Dichloropropene    | 10.08 | 75  | 43293  | 4.622 | ug/L   | 99  |
| 43) 4-Methyl-2-pentanone       | 10.21 | 43  | 25654  | 8.807 | ug/L   | 99  |

10/27/2020

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102220\  
 Data File : VW016961.D  
 Acq On : 22 Oct 2020 10:28  
 Operator : SY/VA  
 Sample : VSTD00504  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD00504

Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2020 1:37:05 PM

Quant Time: Oct 22 12:17:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 22 11:56:32 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 44) Toluene                    | 10.39 | 91   | 145199   | 5.016 | ug/L   | 96       |
| 45) trans-1,3-Dichloropropene  | 10.61 | 75   | 35312    | 4.495 | ug/L   | 100      |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 23243    | 4.872 | ug/L   | 95       |
| 47) Tetrachloroethene          | 10.87 | 164  | 35067    | 5.140 | ug/L   | 93       |
| 49) 2-Hexanone                 | 10.98 | 43   | 15873    | 8.302 | ug/L   | 98       |
| 50) Dibromochloromethane       | 11.13 | 129  | 26888    | 4.558 | ug/L   | 96       |
| 51) 1,2-Dibromoethane          | 11.24 | 107  | 22792    | 4.907 | ug/L   | 96       |
| 52) Chlorobenzene              | 11.66 | 112  | 96426    | 4.984 | ug/L   | 98       |
| 53) Ethylbenzene               | 11.73 | 91   | 160272   | 4.927 | ug/L   | 98       |
| 54) m,p-Xylene                 | 11.84 | 106  | 61590    | 4.871 | ug/L   | 99       |
| 55) o-xylene                   | 12.17 | 106  | 57575    | 4.816 | ug/L   | 98       |
| 56) Styrene                    | 12.18 | 104  | 95540    | 4.799 | ug/L   | 99       |
| 57) Isopropylbenzene           | 12.47 | 105  | 158241   | 4.798 | ug/L   | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 24941    | 4.778 | ug/L   | 93       |
| 59) 1,2,3-Trichloropropane     | 12.77 | 75   | 17633    | 4.665 | ug/L   | 98       |
| 62) Bromoform                  | 12.35 | 173  | 15077    | 4.518 | ug/L # | 95       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 76584    | 5.056 | ug/L   | 93       |
| 64) 1,4-Dichlorobenzene        | 13.58 | 146  | 77652    | 5.114 | ug/L   | 94       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 66637    | 4.918 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 3337     | 4.157 | ug/L   | 88       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 55061    | 4.893 | ug/L   | 97       |
| 68) 1,2,4-trichlorobenzene     | 15.13 | 180  | 37873    | 4.135 | ug/L   | 96       |
| 69) Naphthalene                | 15.36 | 128  | 57233    | 3.824 | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.56 | 180  | 35422    | 4.517 | ug/L   | 97       |

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

(QT Reviewed)

```
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102220\  
Data File : VW016961.D  
Acq On    : 22 Oct 2020   10:28  
Operator  : SY/VA  
Sample    : VSTD00504  
Misc      : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial  : 4      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
VSTD00504

## Manual Integrations

MMDadoda  
10/26/2020 1:37:05 PM

Quant Time: Oct 22 12:17:33 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 22 11:56:32 2020  
Response via : Initial Calibration

