

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU042919\  
Quantitation Report (QT Reviewed)

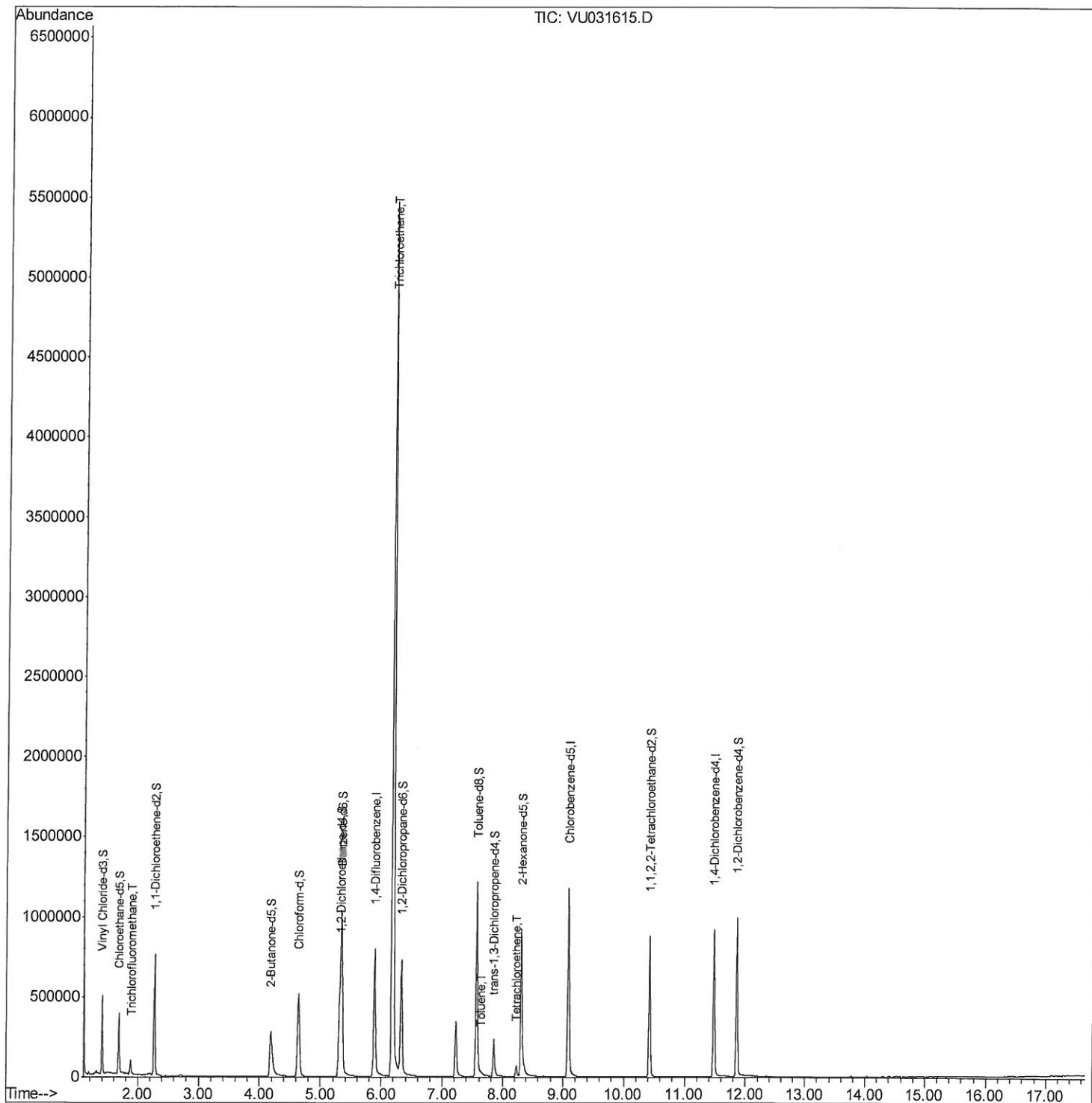
Data File : VU031615.D  
Acq On : 30 Apr 2019 03:09  
Operator : JC/SP  
Sample : K2593-03 50X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0XB7

Manual Integrations  
APPROVED

MMDadoda  
4/30/2019 11:44:47 AM

Quant Time: Apr 30 05:37:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 04:50:11 2019  
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU042919\  
Quantitation Report (Qedit)

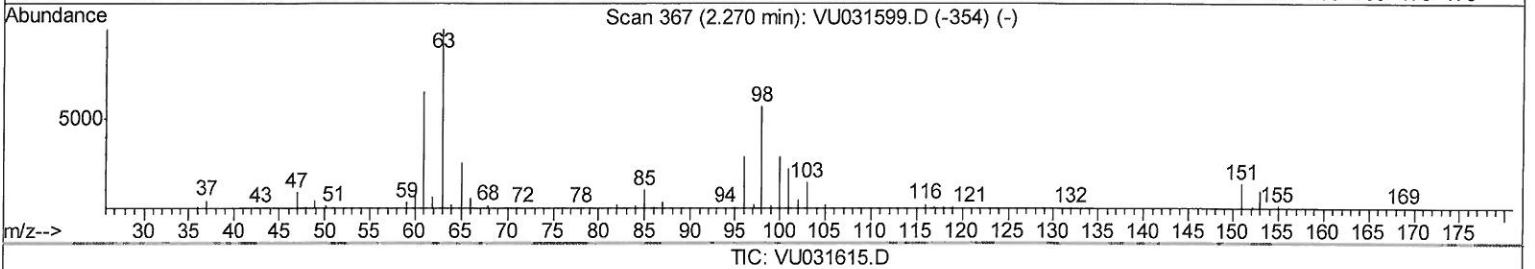
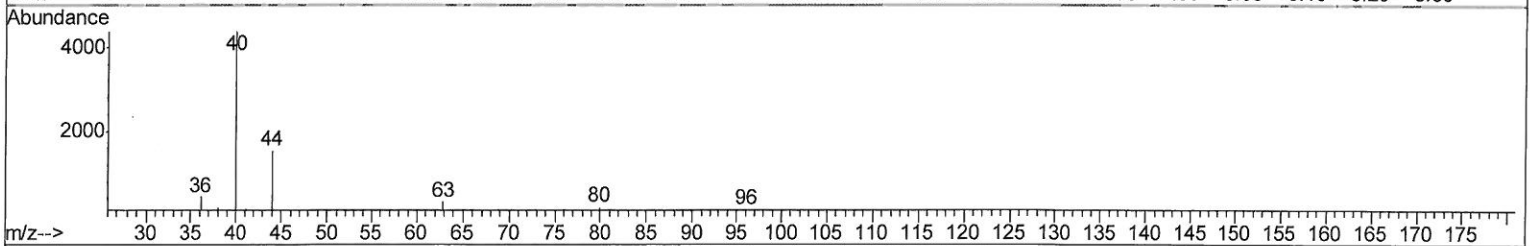
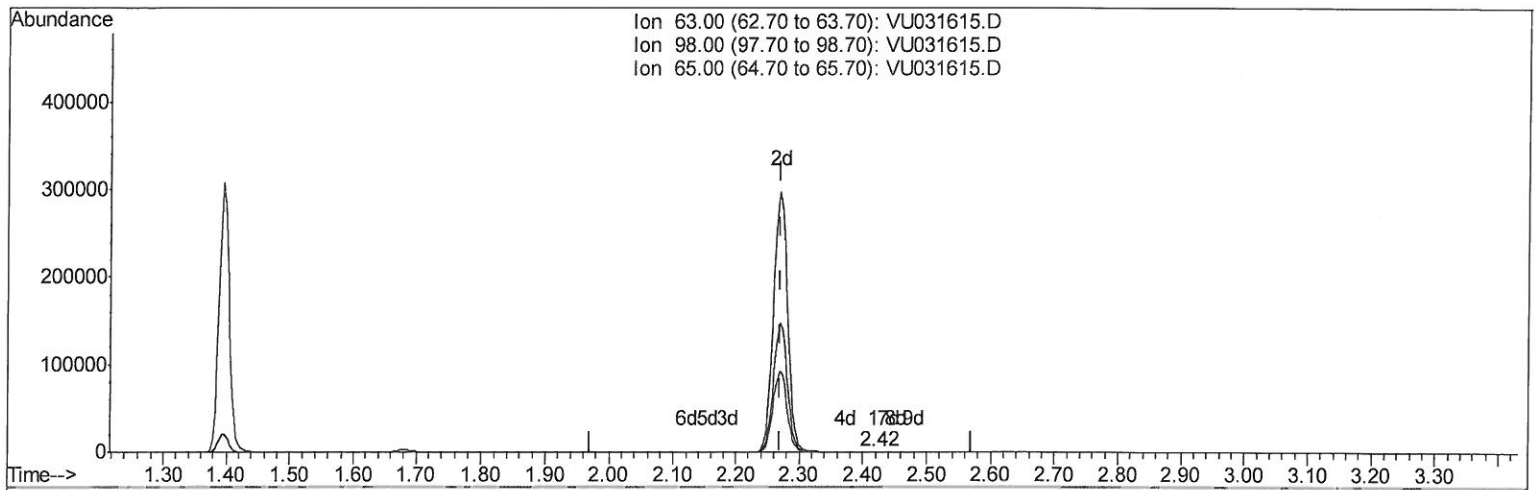
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Quant Time: Apr 30 04:55:07 2019  
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Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 04:50:11 2019  
Response via : Initial Calibration



TIC: VU031615.D

(11) 1,1-Dichloroethene-d2 (S)

2.418min (+0.148) 0.02ug/L

response 243

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 66.60 | 62.96 |
| 65.00 | 23.40 | 20.16 |
| 0.00  | 0.00  | 0.00  |

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Quantitation Report (Qedit)

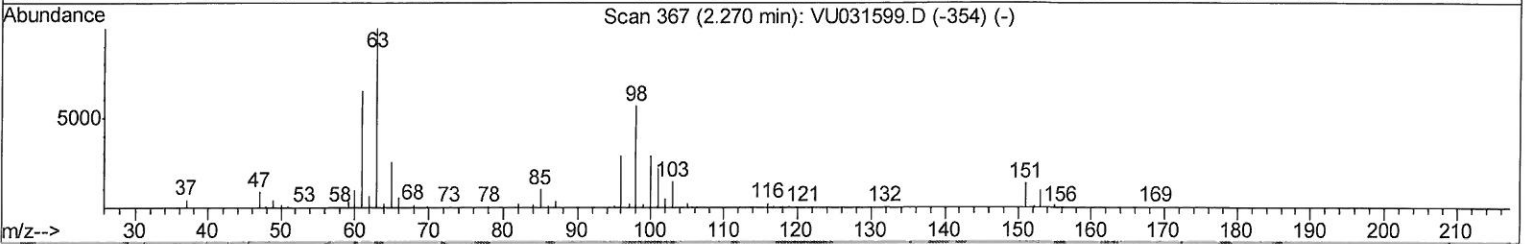
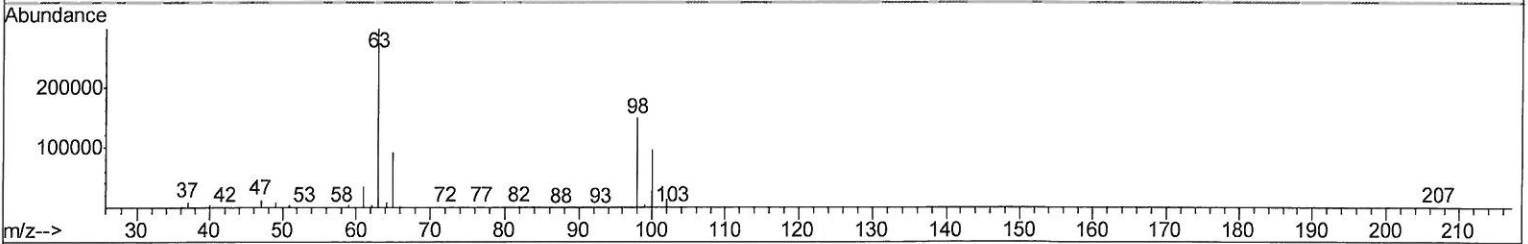
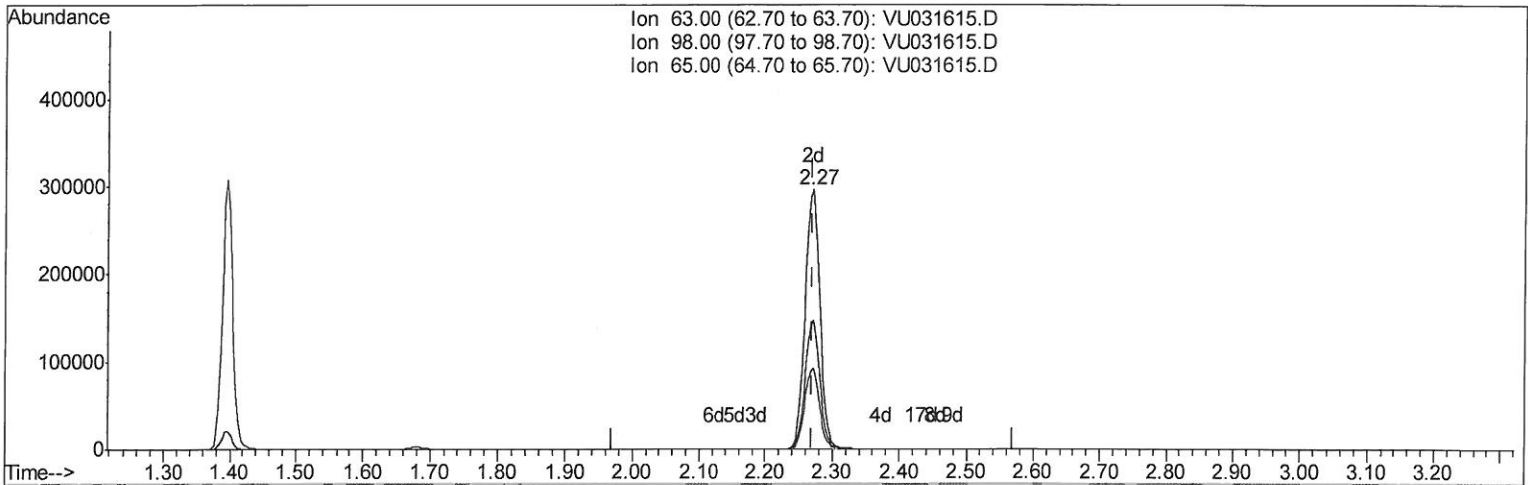
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Acq On : 30 Apr 2019 03:09  
Operator : JC/SP  
Sample : K2593-03 50X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0XB7

Manual Integrations  
APPROVED

MMDadoda  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 04:50:11 2019  
Response via : Initial Calibration



TIC: VU031615.D

(11) 1,1-Dichloroethene-d2 (S)

2.270min (-0.000) 44.15ug/L m

response 456807

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 66.60 | 0.03# |
| 65.00 | 23.40 | 0.01# |
| 0.00  | 0.00  | 0.00  |

MD  
5/2/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU042919\

Quantitation Report (QT Reviewed)

Data File : VU031615.D

Acq On : 30 Apr 2019 03:09

Operator : JC/SP

Sample : K2593-03 50X

Misc : 5.0mL/MSVOA\_U/WATER

ALS Vial : 48 Sample Multiplier: 1

Instrument :

MSVOA\_U

ClientSampled :

C0XB7

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:44:47 AM

Quant Time: Apr 30 05:37:40 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Apr 30 04:50:11 2019

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 620850   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 611295   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 215649   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |         |      |      |
|--------------------------------|----------------|-----|------------|---------|------|------|
| 4) Vinyl Chloride-d3           | 1.40           | 65  | 327928     | 63.11   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 135 |     | Recovery = | 126.22% |      |      |
| 7) Chloroethane-d5             | 1.68           | 69  | 245123     | 61.05   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 130 |     | Recovery = | 122.10% |      |      |
| 11) 1,1-Dichloroethene-d2      | 2.27           | 63  | 456807m    | 44.15   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 88.30%  |      |      |
| 21) 2-Butanone-d5              | 4.18           | 46  | 555787     | 118.06  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 40 - 130 |     | Recovery = | 118.06% |      |      |
| 24) Chloroform-d               | 4.64           | 84  | 513045     | 53.91   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 107.82% |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.31           | 65  | 351411     | 56.52   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 113.04% |      |      |
| 32) Benzene-d6                 | 5.34           | 84  | 987978     | 52.63   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 105.26% |      |      |
| 36) 1,2-Dichloropropane-d6     | 6.32           | 67  | 358956     | 54.35   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 120 |     | Recovery = | 108.70% |      |      |
| 41) Toluene-d8                 | 7.56           | 98  | 810802     | 49.59   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 99.18%  |      |      |
| 43) trans-1,3-Dichloropropene- | 7.85           | 79  | 137436     | 48.48   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 96.96%  |      |      |
| 47) 2-Hexanone-d5              | 8.31           | 63  | 297735     | 104.16  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 45 - 130 |     | Recovery = | 104.16% |      |      |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43          | 84  | 446335     | 50.36   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 65 - 120 |     | Recovery = | 100.72% |      |      |
| 64) 1,2-Dichlorobenzene-d4     | 11.85          | 152 | 243427     | 53.68   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 107.36% |      |      |

MD  
5/2/19

## Target Compounds

| Target Compounds          | R.T. | QIon | Response | Conc    | Units | Qvalue |
|---------------------------|------|------|----------|---------|-------|--------|
| 9) Trichlorofluoromethane | 1.88 | 101  | 49368    | 5.608   | ug/L  | 99     |
| 34) Trichloroethene       | 6.18 | 95   | 2028715  | 372.379 | ug/L  | 95     |
| 42) Toluene               | 7.64 | 91   | 9663     | 0.432   | ug/L  | 90     |
| 46) Tetrachloroethene     | 8.23 | 164  | 14606    | 3.933   | ug/L  | 93     |

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