

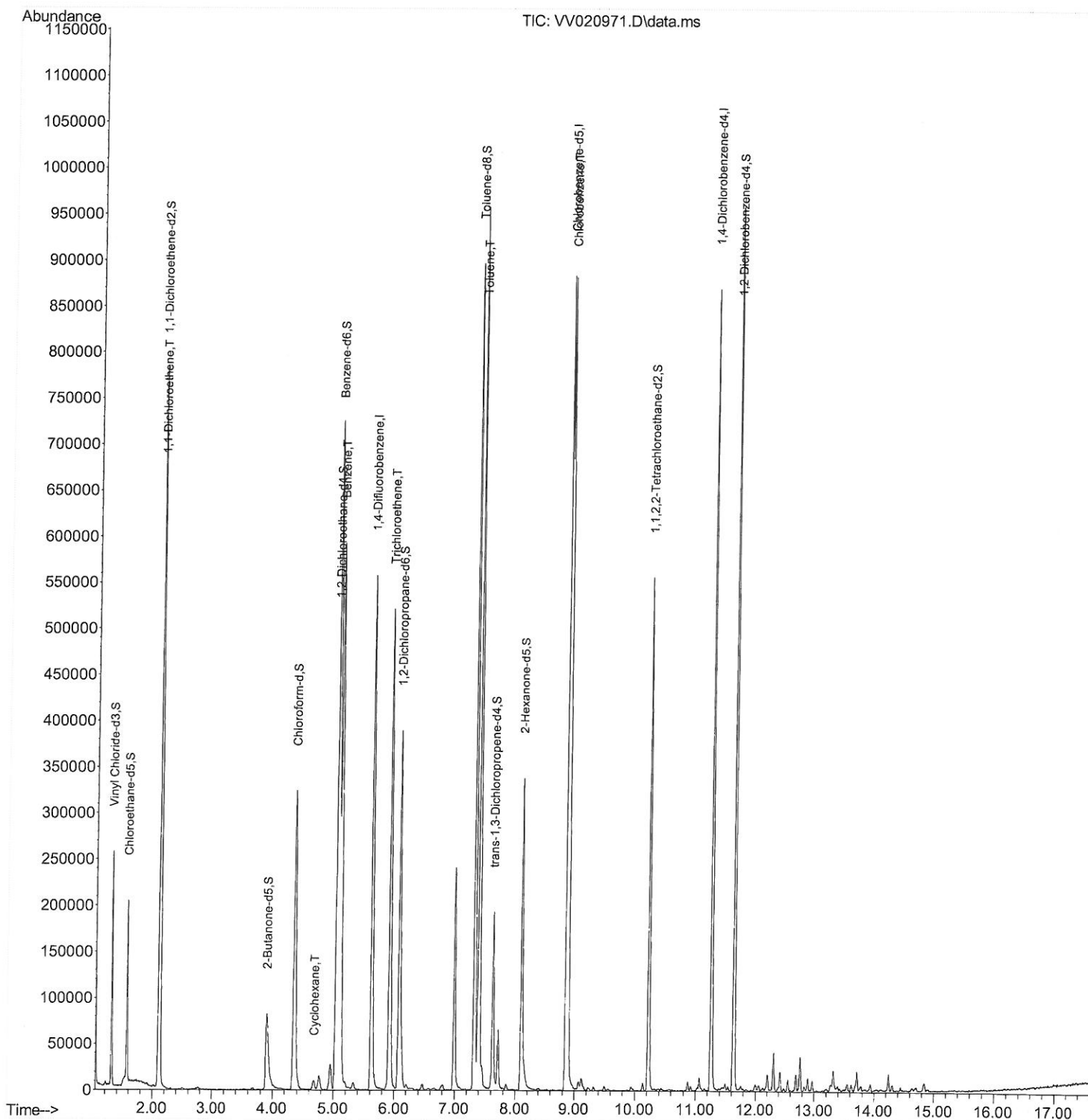
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040821\  
Data File : VV020971.D  
Acq On : 08 Apr 2021 14:48  
Operator : SY/MD  
Sample : M1881-15MS  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ESQF7MS

Manual Integrations  
APPROVED

MMDadoda  
4/9/2021 3:41:38 PM

Quant Time: Apr 09 06:31:57 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Apr 09 06:30:02 2021  
Response via : Initial Calibration



# Quantitation Report (Qedit)

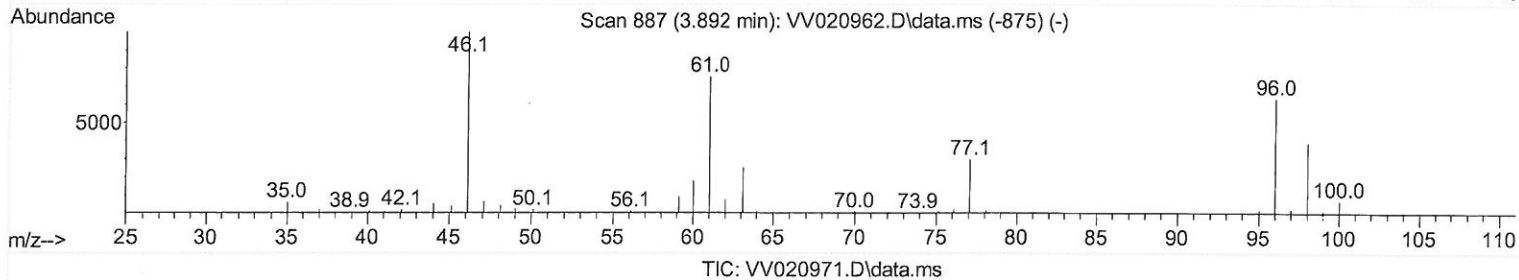
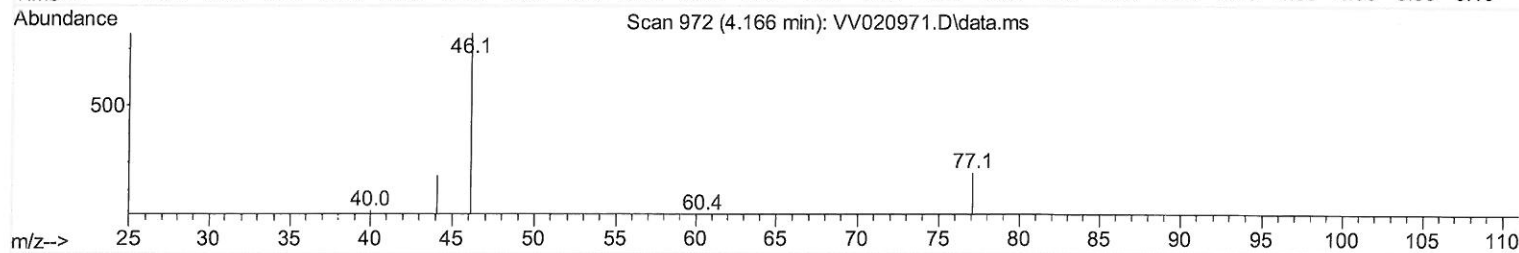
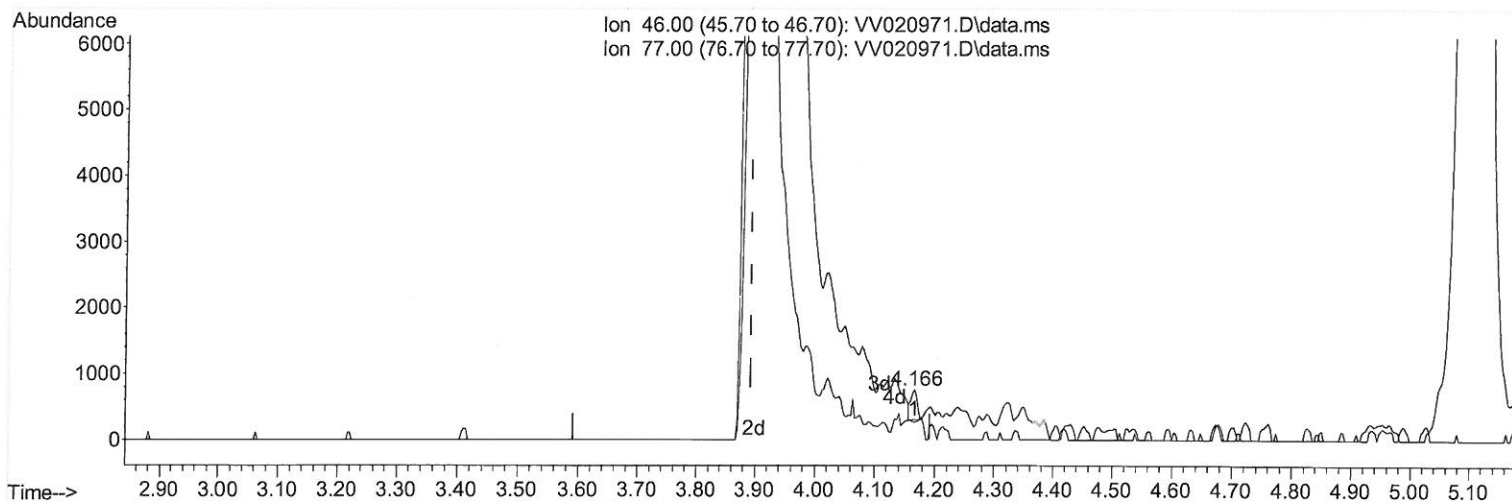
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(21) 2-Butanone-d5 (S)

4.166min (+ 0.273) 0.14 ug/L

response 325

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 24.10  | 26.46  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

## Quantitation Report (Qedit)

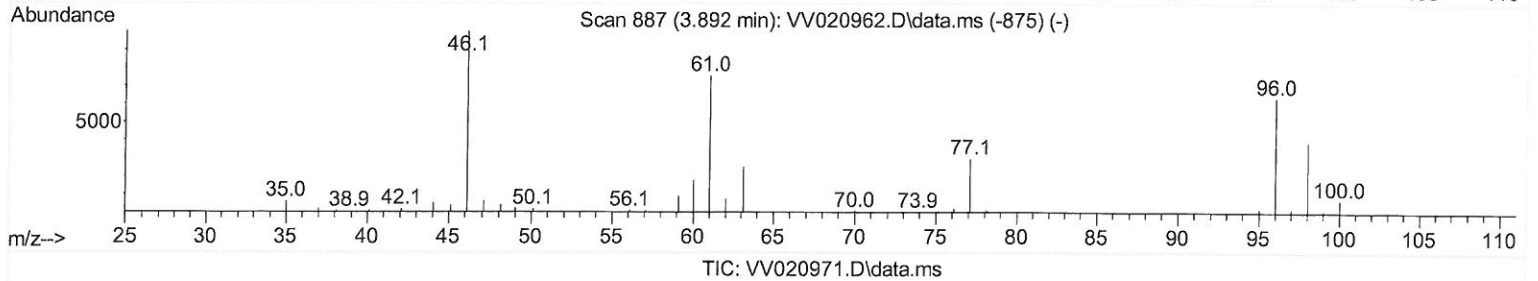
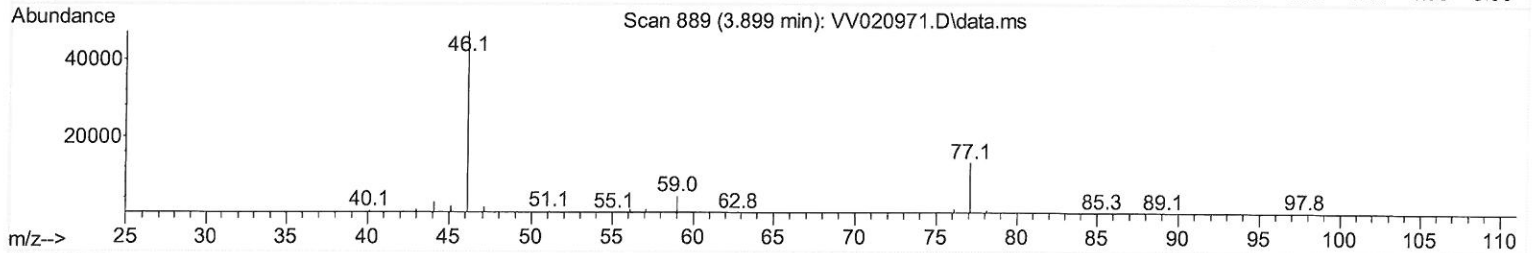
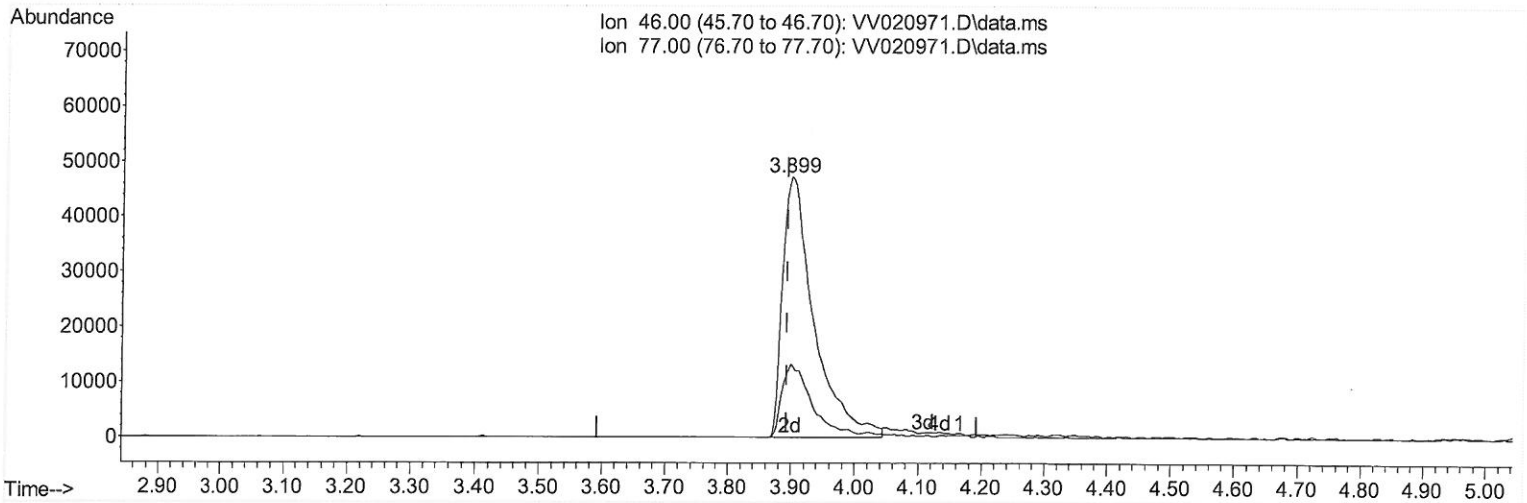
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Manual Integrations  
APPROVED

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4/9/2021 3:41:38 PM

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 09 06:30:02 2021  
Response via : Initial Calibration



(21) 2-Butanone-d5 (S)

3.899min (+ 0.006) 70.38 ug/L m

response 162183

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 24.10  | 0.05#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

7 MD  
4/16/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW040821\  
 Data File : VW020971.D  
 Acq On : 08 Apr 2021 14:48  
 Operator : SY/MD  
 Sample : M1881-15MS  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESQF7MS

Manual Integrations  
 APPROVED

MMDadoda  
 4/9/2021 3:41:38 PM

Quant Time: Apr 09 06:31:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 09 06:30:02 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.619  | 114  | 498935   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.857  | 117  | 475876   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.255 | 152  | 237796   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |                |     |            |         |      |      |
|-------------------------------|----------------|-----|------------|---------|------|------|
| 4) Vinyl Chloride-d3          | 1.307          | 65  | 147486     | 41.64   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 60 - 135 |     | Recovery = | 83.28%  |      |      |
| 7) Chloroethane-d5            | 1.571          | 69  | 116558     | 43.52   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 70 - 130 |     | Recovery = | 87.04%  |      |      |
| 11) 1,1-Dichloroethene-d2     | 2.111          | 63  | 303846     | 45.47   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 60 - 125 |     | Recovery = | 90.94%  |      |      |
| 21) 2-Butanone-d5             | 3.899          | 46  | 162183m    | 70.38   | ug/L | 0.00 |
| Spiked Amount 100.000         | Range 40 - 130 |     | Recovery = | 70.38%  |      |      |
| 24) Chloroform-d              | 4.352          | 84  | 336869     | 47.85   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery = | 95.70%  |      |      |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65  | 225369     | 48.59   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery = | 97.18%  |      |      |
| 32) Benzene-d6                | 5.053          | 84  | 618779     | 48.78   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery = | 97.56%  |      |      |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67  | 174058     | 44.70   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 70 - 120 |     | Recovery = | 89.40%  |      |      |
| 41) Toluene-d8                | 7.320          | 98  | 598195     | 50.66   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 80 - 120 |     | Recovery = | 101.32% |      |      |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79  | 98251      | 47.42   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 60 - 125 |     | Recovery = | 94.84%  |      |      |
| 47) 2-Hexanone-d5             | 8.095          | 63  | 117495     | 71.96   | ug/L | 0.00 |
| Spiked Amount 100.000         | Range 45 - 130 |     | Recovery = | 71.96%  |      |      |
| 57) 1,1,2,2-Tetrachloroeth... | 10.220         | 84  | 237235     | 41.82   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 65 - 120 |     | Recovery = | 83.64%  |      |      |
| 64) 1,2-Dichlorobenzene-d4    | 11.628         | 152 | 260219     | 56.38   | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 80 - 120 |     | Recovery = | 112.76% |      |      |

MD  
 4/16/21

## Target Compounds

|                        |       |     |        |       | Qvalue    |
|------------------------|-------|-----|--------|-------|-----------|
| 12) 1,1-Dichloroethene | 2.121 | 96  | 144221 | 49.53 | ug/L 79   |
| 29) Cyclohexane        | 4.680 | 56  | 5062   | 0.94  | ug/L # 83 |
| 33) Benzene            | 5.101 | 78  | 610619 | 46.52 | ug/L 100  |
| 34) Trichloroethene    | 5.918 | 95  | 169792 | 47.19 | ug/L 89   |
| 42) Toluene            | 7.391 | 91  | 698870 | 48.99 | ug/L 100  |
| 51) Chlorobenzene      | 8.886 | 112 | 474898 | 49.59 | ug/L 98   |

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