

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071219\  
 Data File : VV011877.D  
 Acq On : 12 Jul 2019 19:56  
 Operator : SY/MD  
 Sample : K3772-11  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A52P6

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071219WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.116       | 4             | 8           | 21           | rVB2     | 12579          | 16254         | 2.49%           | 0.289%        |
| 2         | 1.318       | 62            | 71          | 88           | rVB      | 102379         | 109038        | 16.71%          | 1.940%        |
| 3         | 1.392       | 89            | 94          | 102          | rVB      | 7442           | 8389          | 1.29%           | 0.149%        |
| 4         | 1.582       | 145           | 153         | 165          | rVB      | 81812          | 95601         | 14.65%          | 1.701%        |
| 5         | 2.132       | 311           | 324         | 334          | rVV      | 128612         | 190825        | 29.24%          | 3.395%        |
| 6         | 2.196       | 335           | 344         | 363          | rVB      | 12879          | 27460         | 4.21%           | 0.489%        |
| 7         | 3.945       | 872           | 888         | 910          | rBV      | 84033          | 239161        | 36.64%          | 4.255%        |
| 8         | 4.402       | 1012          | 1030        | 1063         | rBV      | 113539         | 281354        | 43.11%          | 5.006%        |
| 9         | 5.096       | 1223          | 1246        | 1269         | rBV2     | 269074         | 652694        | 100.00%         | 11.613%       |
| 10        | 5.666       | 1408          | 1423        | 1442         | rBV      | 198893         | 397435        | 60.89%          | 7.071%        |
| 11        | 5.952       | 1496          | 1512        | 1529         | rVB7     | 14504          | 35171         | 5.39%           | 0.626%        |
| 12        | 6.119       | 1549          | 1564        | 1582         | rBV      | 152451         | 309109        | 47.36%          | 5.500%        |
| 13        | 6.347       | 1622          | 1635        | 1643         | rBV10    | 4844           | 10777         | 1.65%           | 0.192%        |
| 14        | 7.029       | 1834          | 1847        | 1868         | rBV      | 70086          | 127509        | 19.54%          | 2.269%        |
| 15        | 7.360       | 1936          | 1950        | 1963         | rBV      | 304889         | 522651        | 80.08%          | 9.299%        |
| 16        | 7.434       | 1963          | 1973        | 1988         | rVB      | 49476          | 91037         | 13.95%          | 1.620%        |
| 17        | 7.665       | 2032          | 2045        | 2058         | rBV3     | 42327          | 74367         | 11.39%          | 1.323%        |
| 18        | 8.138       | 2176          | 2192        | 2224         | rBV2     | 313258         | 628747        | 96.33%          | 11.187%       |
| 19        | 8.286       | 2228          | 2238        | 2262         | rVB2     | 56332          | 109036        | 16.71%          | 1.940%        |
| 20        | 8.894       | 2412          | 2427        | 2447         | rBV      | 298098         | 503052        | 77.07%          | 8.950%        |
| 21        | 9.055       | 2469          | 2477        | 2487         | rBV2     | 6059           | 10577         | 1.62%           | 0.188%        |
| 22        | 9.852       | 2717          | 2725        | 2739         | rBV6     | 6741           | 12926         | 1.98%           | 0.230%        |
| 23        | 10.260      | 2841          | 2852        | 2867         | rBV      | 92256          | 147149        | 22.54%          | 2.618%        |
| 24        | 10.421      | 2889          | 2902        | 2910         | rBV7     | 4038           | 7332          | 1.12%           | 0.130%        |
| 25        | 10.585      | 2945          | 2953        | 2965         | rVB2     | 7998           | 11946         | 1.83%           | 0.213%        |
| 26        | 11.292      | 3161          | 3173        | 3195         | rBV      | 281375         | 463092        | 70.95%          | 8.239%        |
| 27        | 11.582      | 3256          | 3263        | 3270         | rBV7     | 4411           | 7499          | 1.15%           | 0.133%        |
| 28        | 11.672      | 3278          | 3291        | 3309         | rBV      | 285127         | 472449        | 72.38%          | 8.406%        |
| 29        | 12.443      | 3522          | 3531        | 3546         | rVB2     | 25497          | 42290         | 6.48%           | 0.752%        |
| 30        | 12.797      | 3627          | 3641        | 3649         | rBV8     | 9011           | 15487         | 2.37%           | 0.276%        |

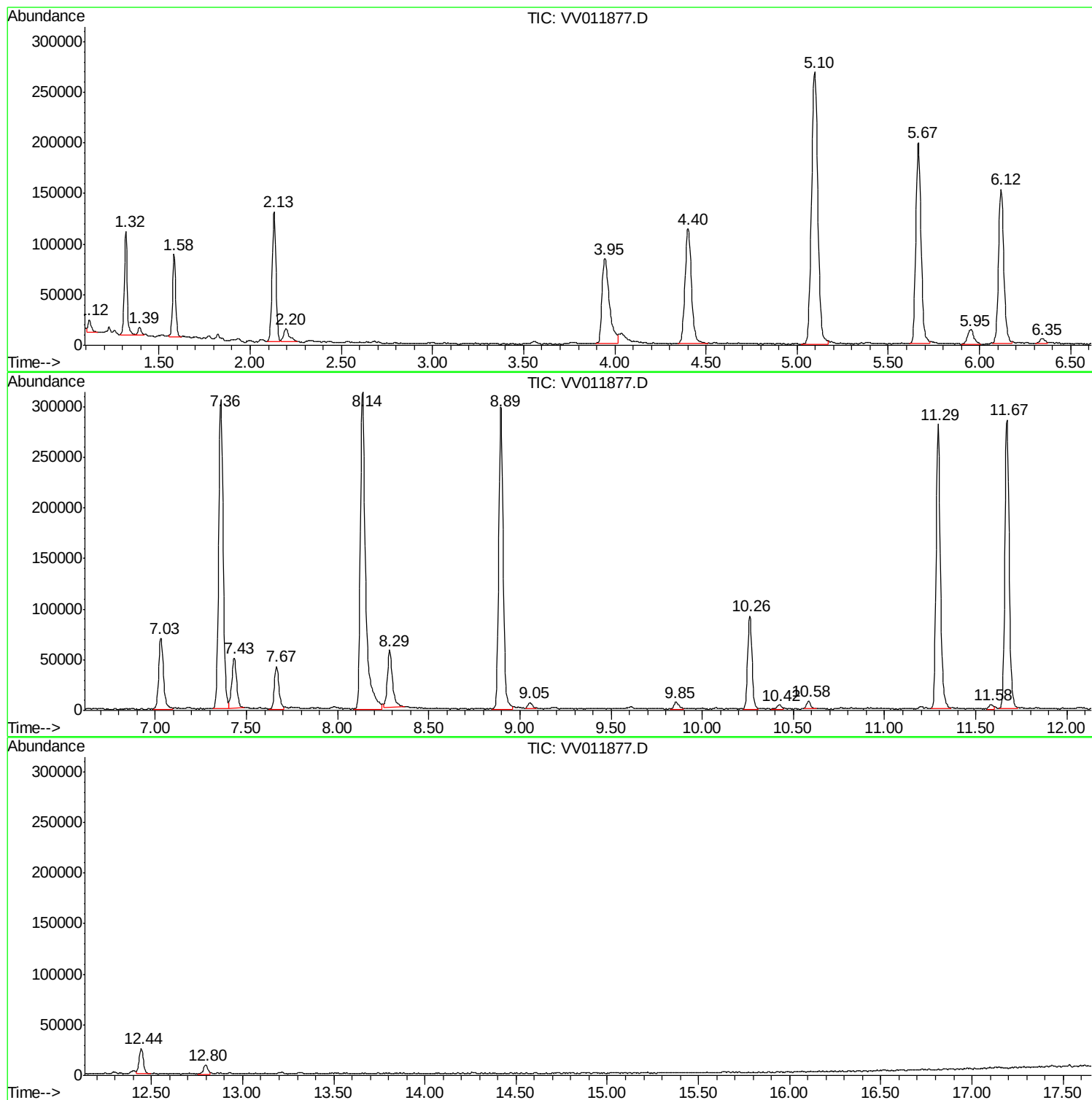
Sum of corrected areas: 5620414

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ClientSampleId :  
A52P6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071219WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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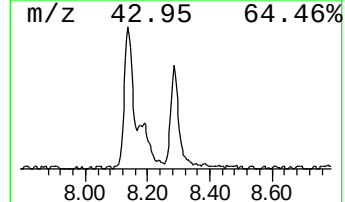
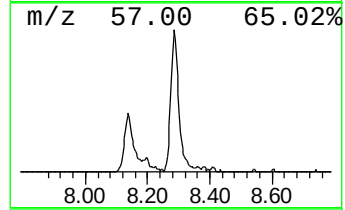
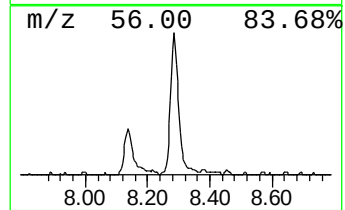
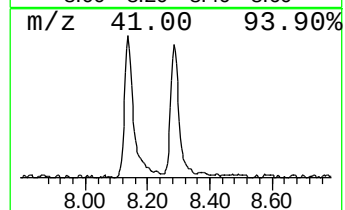
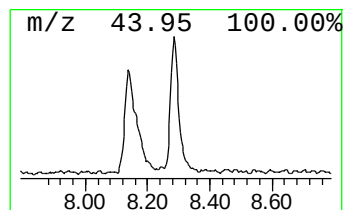
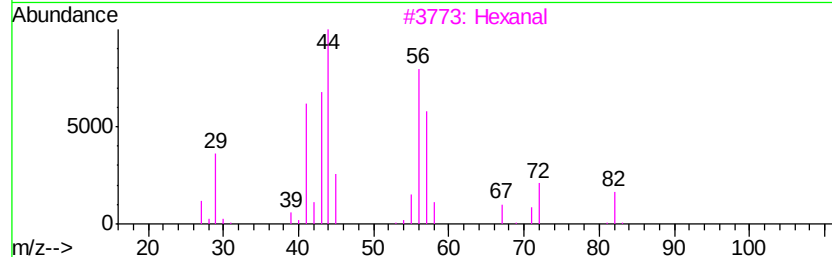
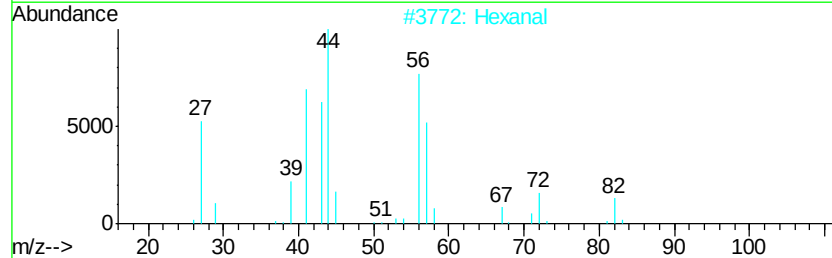
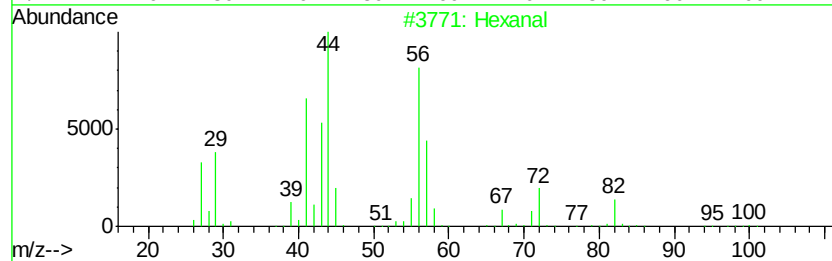
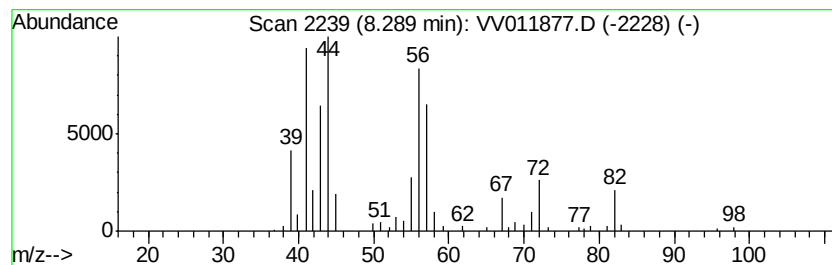
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071219WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Hexanal Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD | R.T. |
|------|-----------|--------|------------------|------|
| 8.29 | 1.08 ug/L | 109036 | Chlorobenzene-d5 | 8.90 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Hexanal            | 100 | C6H12O  | 000066-25-1 | 72   |
| 2    |    | Hexanal            | 100 | C6H12O  | 000066-25-1 | 64   |
| 3    |    | Hexanal            | 100 | C6H12O  | 000066-25-1 | 64   |
| 4    |    | Hexanal            | 100 | C6H12O  | 000066-25-1 | 45   |
| 5    |    | Butanal, 3-methyl- | 86  | C5H10O  | 000590-86-3 | 38   |



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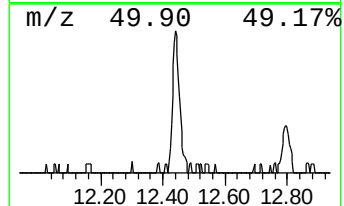
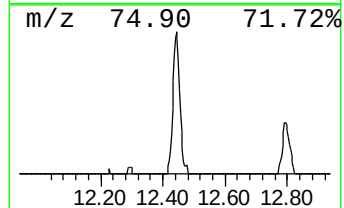
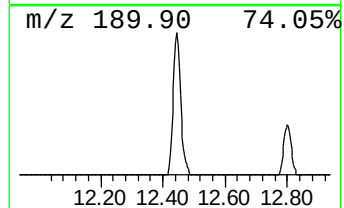
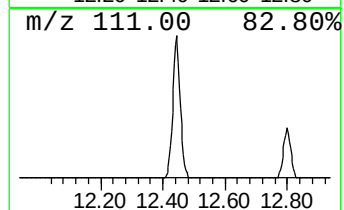
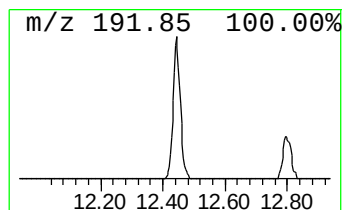
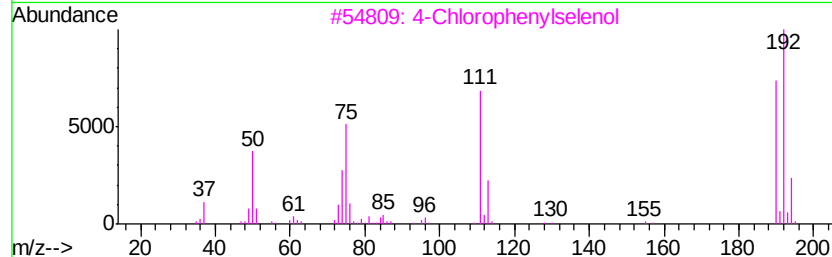
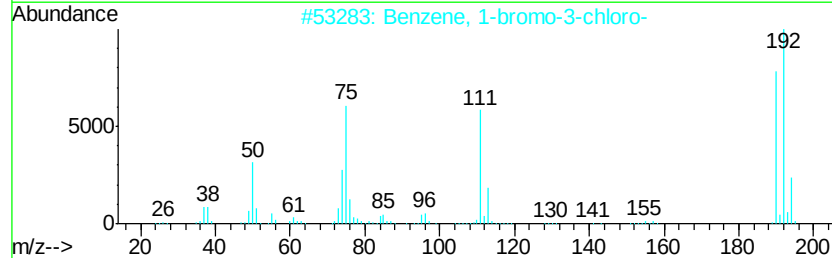
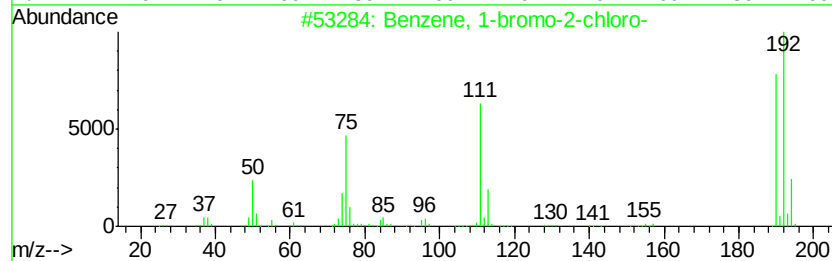
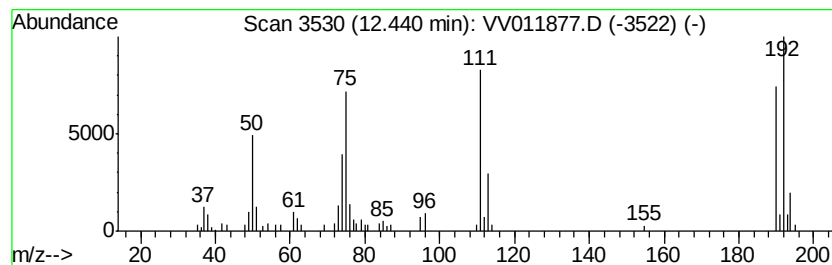
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1-bromo-2-chloro- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.44 | 0.46 ug/L | 42290 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 97   |
| 2    |    | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 97   |
| 3    |    | 4-Chlorophenylselenol      | 192 | C6H5ClSe | 016645-10-6 | 97   |
| 4    |    | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 97   |
| 5    |    | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 96   |



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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Hexanal              | 8.29  | 1.1     | ug/L  | 109036   | 2                     | 8.90  | 503052 | 5.0  |
| Benzene, 1-bromo-... | 12.44 | 0.5     | ug/L  | 42290    | 3                     | 11.29 | 463092 | 5.0  |