



Analyses



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Exhaust fumes water

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Analysis * Exhaust fumes * CHRYSLER Voyager

This test series shall determine by means of chemical analysis and by means of water crystal analysis whether:

- a) the environmental pollution, caused by toxic exhaust fumes
- b) the adverse health effects, caused by toxic exhaust fumes

can be reduced by integrating the BIOTAC GB[®] device.

For this purpose two samples have been analyzed. Before installing the BIOTAC GB[®] device, a neutral sample has been analyzed, and four weeks after the installation a second analysis has been carried out. Both analysis have been carried out under the same conditions (weather, humidity, temperature, etc.).

For this purpose the exhaust fumes of the truck have been redirected during 10 minutes in a bucket containing a determined quantity of normal tap water. After doing so, both analysis have been examined by an international renowned laboratory in Germany on:

benzene, toluene, ethylbenzene, xylene, nitrite, nitrate, hydrocarbon and sulfur

in order to get the requested information and conclusion about the combustion of the car engine. Furthermore both samples have been analyzed by means of the water crystallization analysis. Due to this new method it has become now possible to derive liquid crystals from test samples, without adding solvents or other chemical substances.

This method might be similar to the method developed by the Japanese scientist Masaru Emoto; however we claim our method to be much more meaningful. It allows to clearly indicate the nature, quality and medically relevant factors of all substances tested.



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Interpretation: exhaust fumes water * CHRYSLER Voyager * neutral sample

The 40-fold crystal picture shows strong and dense structures and dark zones indicating toxic substances. The 90 -angled structures are clearly dominating the whole crystal picture. This sample shows practically no phytoid (plant-like) shapes indicating the vital structure of water.

The crystallization picture (400-fold magnification) shows almost only right angular structures which indicate a practically complete absence of higher natural life forces; to be found in healthy and vital substances showing a very concentrated density of natural shaped crystals. Overall this sample shows clearly a bad quality, having almost no vital forces and being polluted by toxic substances.

Therefore we must assume this water sample being highly harmful for humans, animals and plants. This fact is completely normal, as we are talking about a sample in which exhaust fumes have been redirected. This sample, compared to the non-polluted tap water sample, which served as a base can be described as water who went through a colossal quality degradation. We can clearly assume that an important amount of pollutants accumulated during this 10 minutes in the bucket.

Not only the great number of 90 -angled crystal structures which occur in the whole picture but also the linear and long-needed crystals which separate many sectors indicate the toxicity of this water sample.

This sample represent the initial value in order to witness or to contest the effectiveness of the BIOTAC GB® device.

Due to our experience since 1983 we can confirm that carcinogenic substances always show this kind of crystal pattern.



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Interpretation: exhaust fumes water * CHRYSLER Voyager * neutral sample

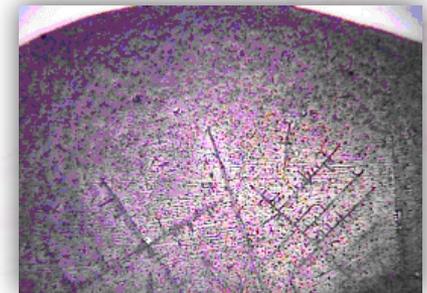
Picture A1 shows very dense crystals having a rigid and non-viable character. The dense zones which compose practically a single amorphous surface indicate the toxicity of the water sample. Relating to the bio-vitality these crystal have to be classed as "low-levelled".

The lacking appearance on organic and phytoid (plant-like) crystal structures as well as the missing of 60 - angled structures also indicates a low-levelled quality and vitality. Natural spring water always shows living organic structures and crystals, showing plant-like character. As this sample doesn't show these kind of structures we have to assume this water to be highly degenerated; involving the danger of being highly toxic.

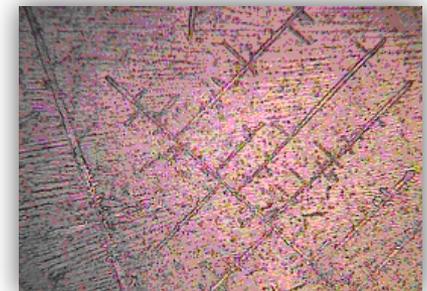
Picture B1 shows clearly rectangular structures with a 90 -configuration, having a degenerative effect on living organisms. The right-angled cross-shaped structures indicates clearly, that there are no vital forces in this sample. The vital forces which were in the tap water have been completely deadened by the exhaust fumes. Therefore we clearly can claim that this contaminated sample will cause severe harm to living organisms.

Interesting is the fact that the exhaust fumes of the Otto-engines show a significant higher contamination and degeneration than those of diesel-engines. The evidence of pollutants –especially carcinogenic substances- are crucial higher than those realized with several diesel-engines.

neutral sample * picture A1 (40-x)



neutral sample * picture B1 (40-x)





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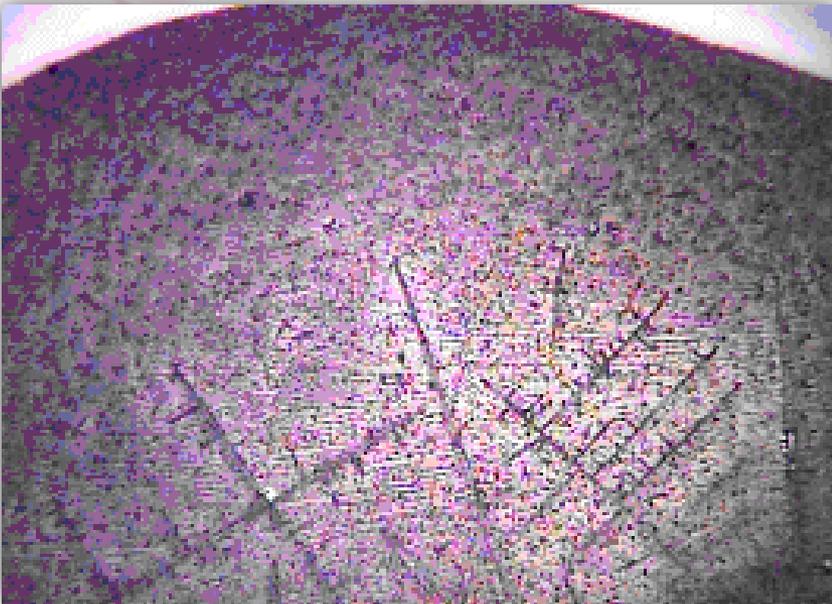


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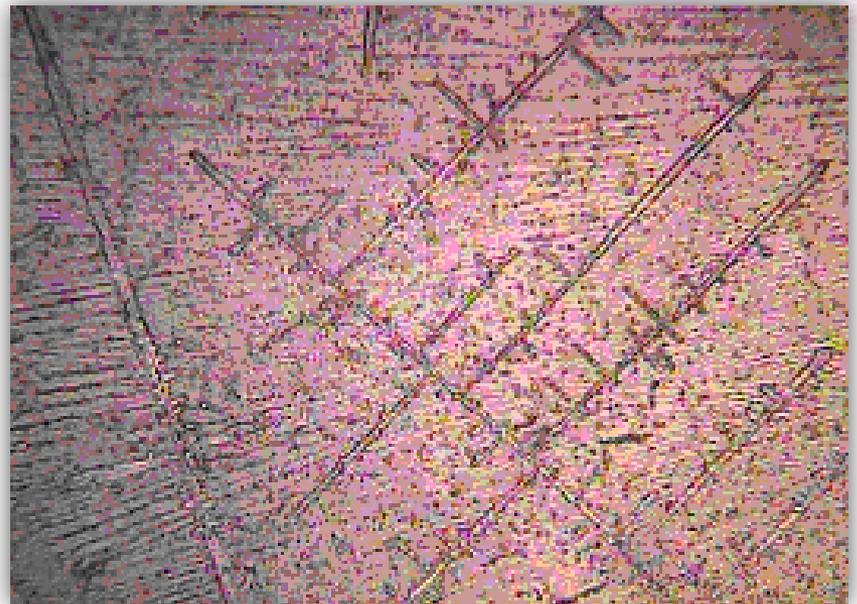


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neutral sample picture A1 (40-x)



neutral sample * picture B1 (100-x)





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Interpretation: exhaust fumes water * CHRYSLER Voyager * neutral sample

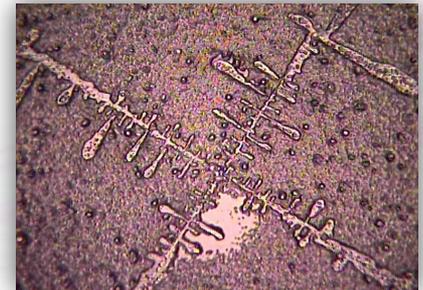
Picture C1 shows rigid structures, to be found only in highly contaminated and absolutely toxic samples.

The optical magnification of all pictures (40x, 100x and 400x) indicate a water sample with a week vital, necrotic and degenerated vitality. The originally natural structures, visible in the tap water sample as roundish crystals, do practically not show anymore.

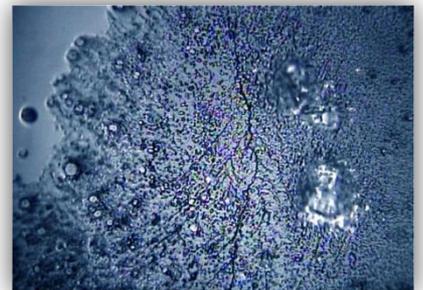
Insofar the originally natural tap water changed logically to contaminated water, having toxic effects to all consumers. The rigid and thickened structures show an excessive contamination with pollutants which are almost not degradable in water. They therefore are a significant hazard of living beings.

Considering that on rainy days exhaust pollutants are dissolved in water and soak in the environmental groundwater, this circumstance is quite fatal. Therefore it would be very appreciated if both exhaust emissions and the information of the toxins could be neutralized.

neutral sample * picture C1 (400-x)



tap water sample * (40-x)





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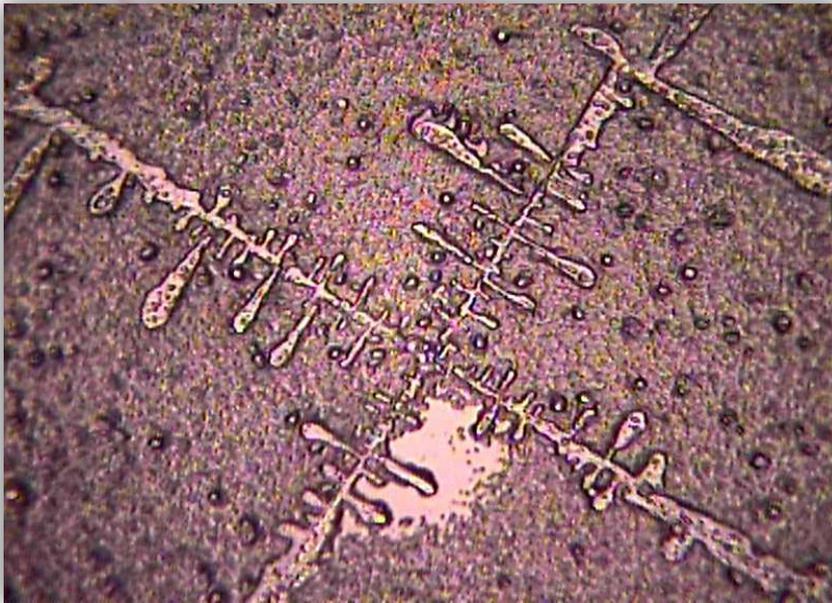
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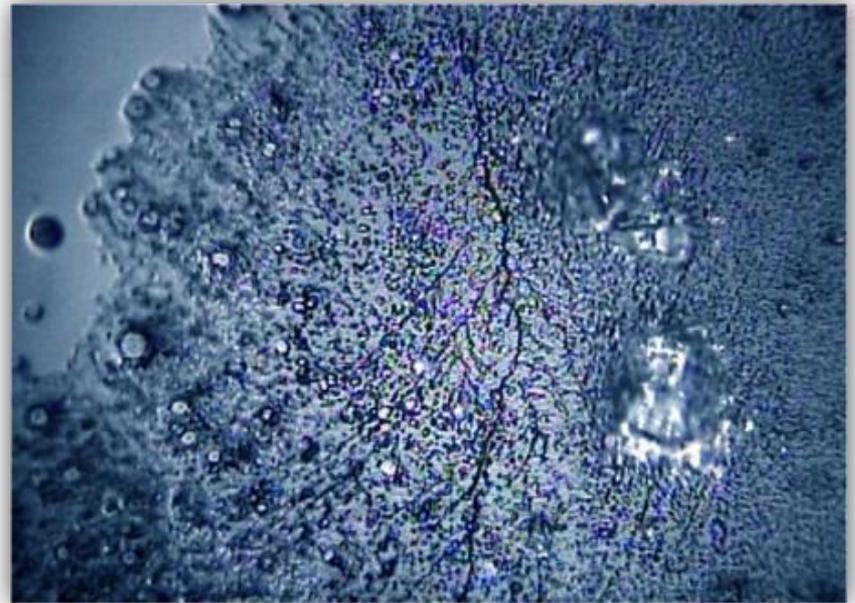
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neutral sample * picture C1 (400-x)



tap water sample * (40-x)





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Interpretation: exhaust fumes water * CHRYSLER Voyager * with BIOTAC BG® device

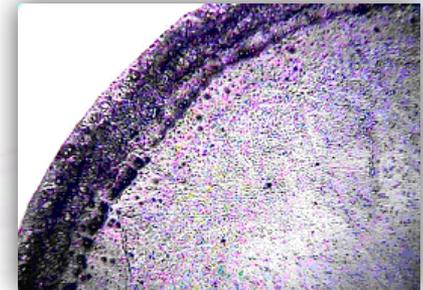
Picture A2 shows a essential fluffy clustering than the neutral sample. The are less dark zones. In the middle of the picture there are fluffy clusters without 90 -angle-configuration. Overall we can attribute that the crystallization is essentially more molded and consequently much less chaotic in its clustering process. In comparison with the neutral sample we remarked strong changements proving clearly a much better water quality.

This fact signifies that after the integration of the BIOTAC BG® device a better combustion and inferior exhaust emissions place. Apparently the exhaust fumes seem to be much less aggressive to water with the device.

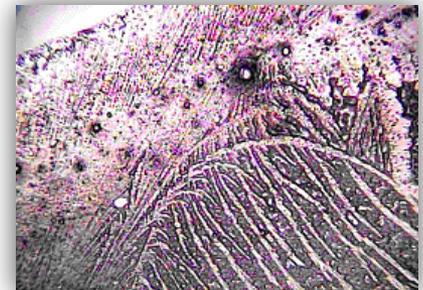
Besides linear and parallel running crystal needles, picture B2 even shows roundish crystals. The 90 -angled structures did considerably diminish. We therefore assume that not only the cluster structures of the water did align and adjust but they were even able to keep their original structure, which is quite amazing.

This signifies that the biologic significance and the biologic mechanisms of the water sample have not been disturbed as deeply as showed in the neutral sample. The virtue of the water remains -in the context of its natural effects on living beings and the environment- absolutely positive, which was not the case with the neutral sample.

sample 2 * picture A2 (40x)



sample 2 * picture B2 (100x)





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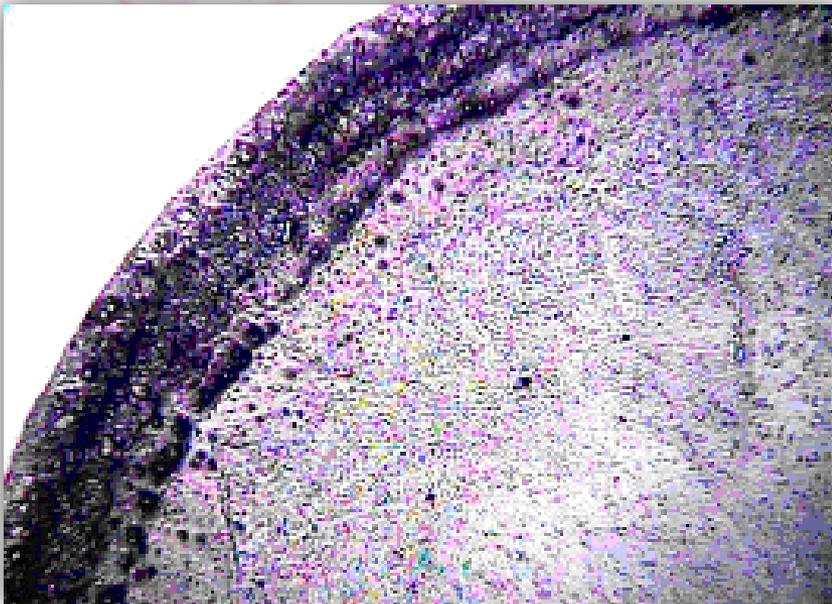


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sample 2 * picture A2 (40x)



sample 2 * picture B2 (100-x)





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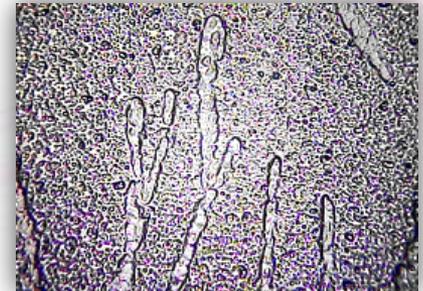


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Interpretation: exhaust fumes water * CHRYSLER Voyager * with BIOTAC BG® device

In picture C2 the completely changed cluster structure is once again visible. There are indeed still some 90 -angle-configurations indicating existing pollutant; but a completely new cluster structure is dominating, as this magnification shows clearly. The angle ranges around approx. 15 and indicates that the clusters did vent through a positive shift. Overall the biologic metabolic activity of the water is considerably higher than the neutral sample. The harmful effects on human organism was also considerably reduced; however we would classify this water sample as potable water. Long needled crystal structures and 90 -rectangular structures are related to carcinogenic substances. This knowledge also relates to our several years experience with blood crystal analysis. This water sample illustrates that the carcinogenic tendencies were remarkably reduced by the BIOTAC BG® device.

sample 2 * picture C2 (400x)



Conclusion

Overall the quality of the sample with the device has clearly increased. The biologic value as well as the reduction of the pollutants has to be rated much higher. We suppose that this results are related to the fact that a cleaner combustion took place.

It seems that the implementation of this device would represent a distinct positive contribution for the environment as this device seems to reduce the burden through exhaust fumes.

As our laboratories did conduct several independent tests showing similar positive results with various vehicles and different fuels it is safe to assume that the effectiveness of the BIOTAC BG® device can be declared as positive. The next step for a scientific affirmation would be that other independent institution would conduct parallel tests. Anyway, after several test, we are convinced this system to have positive effects on the environment.



Analyses



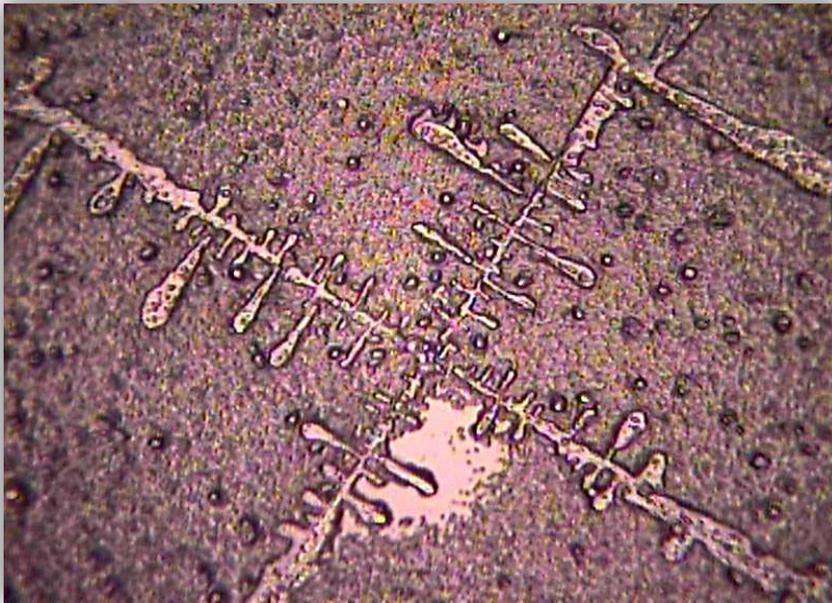
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neutral sample * picture C1 (400-x)



Sample 2 * picture C2 (400-x)





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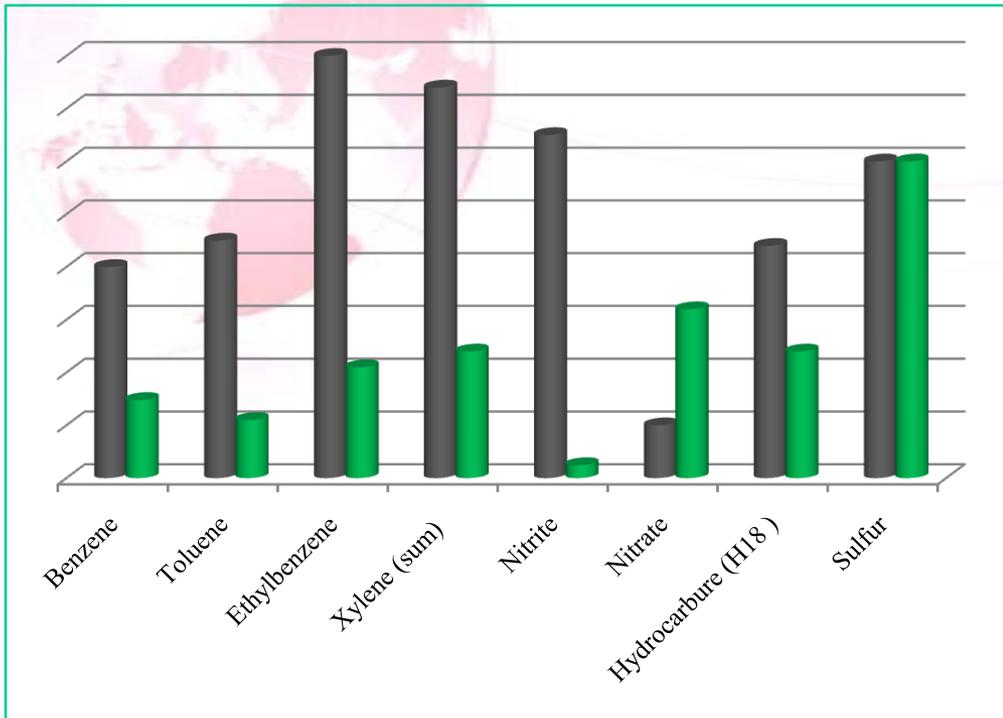


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Chemical analysis

neutral sample

with BIOTAC device



Exhaust fumes		neutral sample	with device	difference
CHRYSLER Voyager				in mg/l
Benzene	mg/l	0,200	0,074	- 0,136
Toluene	mg/l	0,450	0,110	- 0,340
Ethylbenzene	mg/l	0,080	0,021	- 0,059
Xylene (sum)	mg/l	0,370	0,120	- 0,250
Nitrite	mg/l	1,300	0,049	- 1,251
Nitrate	mg/l	1,200	6,400	+ 4,400
Hydrocarbon	mg/l	0,110	0,060	- 0,050
Sulfur (sum)	mg/l	16,000	16,000	0



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Chemical analysis

 neutral sample

 with BIOTAC device

