

The Mercury

A Pulitzer Prize-winning newspaper

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Vol. 55 No. 139

Pottstown, Pa. (19464) Monday Morning, March 10, 1986

35¢ A COPY
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Remains of Challenger crew found

By HOWARD BENEDICT
AP Aerospace Writer

CAPE CANAVERAL, Fla. — Searchers have found remains of Challenger's astronauts in the debris of the shuttle's crew compartment 100 feet down on the floor of the Atlantic Ocean, NASA announced Sunday.

"Family members of Challenger's crew have been informed," a statement said. "In deference to family wishes, NASA will not make further comments until recovery operations and identifications are complete."

Mark Weinberg, a spokesman for the presidential commission investigating the shuttle explosion, said he

could not comment on the significance of the find to the commission's probe.

"I would not want to characterize its importance. That's to be determined. Clearly all pieces of evidence are important," he said.

A search ship using sonar about 25 miles northeast of Cape Canaveral made a possible identification of the compartment late Friday, and divers Saturday positively identified compartment debris and crew remains, the NASA statement said.

Recovering the compartment wreckage and remains could take several days, depending on the weather and sea conditions, NASA said.

Recovery of data tapes that were in the cabin could shed light on the cause of the explosion, but it was not known how well the tapes survived.

Seven crew members died when Challenger exploded 73 seconds after liftoff Jan. 28.

Among those killed was Christa McAuliffe, a New Hampshire schoolteacher who was flying as NASA's first citizen in space.

The others were commander Richard Scobee, pilot Michael Smith, Ellison Onizuka, Judith Resnik, Ronald McNair and Gregory Jarvis.

NASA said when the remains are recovered they will be taken to a hospital at Patrick Air Force Base, about

25 miles south of Cape Canaveral.

"Assistance in positive identification of crew will be provided by Armed Forces Institute of Pathology personnel," the statement said.

"Local security measures are being taken to assure that recovery operations can take place in a safe and orderly manner," it said.

NASA spokesman Hugh Harris said he could provide no additional information on the condition of the crew compartment or the remains.

Families of the crew members contacted after the NASA statement was released refused to comment.

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Chemical-free water hard to find

By BOB MONTGOMERY
Mercury Staff Writer

Your water may look clear, smell and taste just fine. But it doesn't mean your water is chemical-free.

Although your municipal water supplier tests for dangerous solvents every one to three years, a lot can go through the plant undetected in the meantime.

For example, Collegeville knows it has TCE (trichloroethylene), a cancer-causing chemical, in its municipal water. It was discovered in Collegeville and Trappe municipal wells in 1979. One of the system's 10 wells was shut down because of high TCE levels, up to 32.9 parts per billion.

But TCE is still there. A hefty 28 parts per billion of TCE was found in The Mercury's sample of water taken from a back room faucet at Community Counseling Services, 363 Main St., Collegeville — right next door to borough hall.

In Exeter Township, four

What are you drinking?



EDITOR'S NOTE: Mercury re-



WATER SCOOP — Mercury reporter Bob Montgomery uses a laboratory bottle to scoop a sample of river water from the Schuylkill River at a spot in North Coventry Township, near the mouth of Manatawny Creek. Small traces of trichloroethylene (TCE) were found in the river samples, but higher amounts of TCE and other

hazardous chemicals were found in several other localities. Montgomery, over the past three months, conducted an intense investigation into the municipal water we drink. Today, The Mercury looks at the chemicals in your public water and what they can do to you.

Mercury Photo by Tom Kelly

But element of risk exists

Water analysis: No need to panic

EDITOR'S NOTE: The following analysis was provided by Rick Stump, laboratory director and vice president of Suburban Water Testing Laboratories, a state certified firm contracted by The Mercury to test and analyze municipal water samples.

By RICK STUMP
Special to The Mercury

The difficulty that an analytical chemist has with the recommended maximum contaminant levels (RMCL) of the current Safe Drinking Water Act is that zero is, in actuality, something we can never absolutely determine.

When we are analyzing for parts per billion

of a substance, we are literally looking for a piece of a needle in a haystack.

A part per billion is difficult to imagine. Consider these analogies: one part per billion (ppb) equals one inch in 16,000 miles, or one second in 32 years, or one cent in \$10,000,000.00 or one bad apple in 2,000,000 barrels.

As the reports show, many of the volatile organic compound (VOC) levels listed are in tenths or hundredths of a part per billion. Analytically speaking, it is difficult to say whether a VOC level detected at less than 0.1 ppb came from the water, and VOC levels detected at less than 1 ppb should be considered only a trace.

Of the 13 samples that showed the presence

of at least one volatile with an existing recommended level, only four of these were samples that showed greater than 1 ppb (Collegeville, Trappe, Bally, Exeter-2). Only two of these samples exceeded the proposed maximum level (Collegeville and Exeter-2).

The one thing that most of us find distressing is the fact that we found any of these man-made compounds in our water systems at all. They do not occur naturally in a concentrated form, and did not even exist until man started producing them in the 1920s.

The questions to be asked are: Where did they come from? How did they get there? Are the levels going to increase? At what level do they become truly dangerous?

(Continued on page 5)

company officials.

Suburban Water Testing Laboratories of Frederick was contracted by The Mercury to test and analyze the results of water samples from over 25 locations in three counties that receive municipal water.

In Trappe, 1.7 ppb of TCE was detected in a sample from Paul Sharayko's kitchen faucet, 93 W. Third St.

Lloyd Sassaman, water plant superintendent for the Collegeville-Trappe Joint Water System, said he gets high TCE readings once in a while, but most tests show from 1 to 3 ppb.

"People fearful of it (TCE) are buying spring water," Sassaman said. "I'm drinking Collegeville water and my grandchildren are drinking it. If it would be unsafe, DER (Department of Environmental Resources) would not let us supply the people with it."

Bally, which also shut down wells four years ago because high levels of TCE were discovered, had a reading of 2.7 ppb at the Carl Eddinger residence, 125 N. Seventh St., when tested by The Mercury.

And 0.83 ppb of TCE was found in the sample of Rockwood Spring Water, according to results from Suburban Water Testing Laboratories.

The U.S. Environmental Protection Agency says that any amount of TCE, even 0.83 ppb, is not recommended. But since traces of the chemical are found in so many water supplies — making zero TCE a near impossibility — the EPA has proposed a limit of 5 ppb.

When the new limit is adopted, possibly this year, water suppliers will have to comply or spend whatever's necessary to filter out the TCE and bring the water into compliance.

from 25 locales in the three-county area and sent them to Suburban Water Testing Laboratories in Frederick. One round of samples was tested for industrial solvents and volatiles such as chloroform, TCE and PCE and a second round of samples was tested for bacteria and coliform levels — which measures the effect of chlorine purification efforts.

While The Mercury survey found several locales with specific problems — TCE, a carcinogen, in high levels in Collegeville and Trappe; elements of gasoline in Exeter — the general finding was that municipal water systems in our area are providing their customers with safe, if not pure, drinking water.

But what is TCE? What are some of the other chemicals for which The Mercury tested?

TCE is a common chemical used as a solvent in vapor degreasing. Most metal processing plants use TCE to clean the parts before they ship them out. It was also used for extracting caffeine from coffee before being discontinued. And homeowners have used it for many years in cleaning their septic systems. Boroughs even used to to clean out water lines at one time.

But how does it get into our water?

Environmental officials say that landfills and small dumps are among the biggest contributors of TCE contamination.

The chemical seeps through the ground and into the groundwater supply. From there it can spread in any direction toward wells.

The same holds true with most of

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Chemical-free water hard to find

(Continued from page one)

the other chemicals that turn up in our water.

Industry uses all types of chemicals. While these chemicals can play a positive role in progress, the chemical residue is often disposed of improperly. Much is dumped at unlined landfills, some is stored improperly at industrial plants, and some is even disposed of illegally. Tanker trucks have been known to pull off a rural road late at night and release the waste by opening a valve and allowing it to spill on a field or in a stream.

The fertilization of farm fields with pesticides and herbicides also contributes to groundwater contamination, according to Jerry Centofanti, supervising sanitarian for DER in Norristown. But landfills and old dump sites still remain the chief sources.

Chemicals used in pesticides come under the classification of organic — having properties associated with living organisms. TCE is considered a volatile organic — volatile, meaning it evaporates quickly.

Volatile organics are more dangerous in groundwater supplies than in streams, reservoirs, or rivers because they come in contact with little air — where they could evaporate — before reaching the faucet. TCE is rarely found in mov-

ing streams, where the chemical would quickly evaporate.

Belonging to the inorganic class are minerals such as lead, iron, magnesium, mercury, and silver. Although The Mercury did not test for those items, you may want to have your water tested for minerals at a laboratory if you have any doubts.

Rick Stump, laboratory director at Suburban Water Testing Laboratories, said a simple test is available if you notice a constant stain in your sink. It could be caused by a mineral in too high a concentration. Another sign would be a low pH number, signifying acidic water. The pH doesn't indicate the presence of minerals. But if you have minerals, Stump said a low pH means whatever minerals you have on your pipes — lead for example — are more likely to flake off due to the acidic water and travel through the pipes into your faucet.

If your water has a high pH factor — meaning it is high in alkalinity — and you have minerals in your water, the odds are higher that the minerals could clog your pipes instead of ending up in your tap. Water high in alkalinity leaves the minerals alone, opposite of acidic water, which loosens the minerals and carries it with it to the tap.

In the sample taken from the Olson residence, Stump found 8.1

ppb of toluene, 1.8 ppb of ethyl benzene; 7.9 ppb of M & P xylene; and 2.3 ppb of o-xylene — all components found in gasoline.

But the EPA has come out with proposed recommended maximum contaminant levels of 2,000 ppb for toluene; 440 ppb for xylene; and 680 ppb for ethyl benzene. When the Olson levels are compared to the EPA's proposed levels, they are extremely low, according to William Evans, assistant manager for Glen Alsace Water Co., which provides water to several thousand residents in the Crestwood-Reiffon areas.

"Our major concern is we hope it does not scare the public," Evans said. "It (the levels found) virtually has no impact on these consumers."

The water company took its own sample from the Olson residence and sent it to a laboratory for testing. The same chemicals were found, but in lower concentrations.

"You can find these traces in common foods we have every day," Evans said. "They have no impact on the health and welfare of the consumer public."

In addition to TCE, another chemical found in many samples was 1,1,1 trichloroethane, found in many household cleaners. According to Stump, it is the most commonly found chemical in area water, especially in private wells.

The chemical is not considered carcinogenic. But it can cause heart

damage and central nervous system damage if you are exposed to levels around 200 parts per billion for a long period of time.

Fortunately, the levels of 1,1,1 trichloroethane found by The Mercury, measured in parts per billion, are extremely low — 0.40, 0.47 and 0.37 in the three Pottstown samples; 0.05 in Royersford and 0.07 in Spring City; 0.27 in Collegeville; 2.5 in Trappe; and 0.08, 0.10, 0.09 in the three river samples. The highest amount — 18.0, was found in the Bally sample. That level is still considered low.

Another chemical — 1,1 dichloroethane — was found in Trappe (0.37 ppb) and in Bally (6.9 ppb). The substance is a byproduct of TCE, and can cause a weakening of the heart and liver and kidney damage in high levels of exposure. The EPA recommended maximum level is 7 ppb.

One with a similar name, but a different chemical, is 1,1 dichloroethane. Traces of this substance were found in Collegeville (0.06 ppb) and in Trappe (0.03). A more significant amount was found in the AVW Inc. water system in Exeter Township. In the sample taken from the Charles Douglas residence on Fairview Chapel Road, Exeter, 13 ppb of 1,1 dichloroethane was found.

Used as a degreasing agent, 1,1 dichloroethane can cause central

nervous system damage from large amounts of exposure. It also causes dizziness, drowsiness, unconsciousness, and liver and kidney damage. But long-term data on this chemical, as with most, is unavailable.

Other chemicals found in relatively small quantities were 1,2 dichloroethane — 2.9 ppb in the AVW Inc. supply, Exeter Township and 3.5 ppb in the Amity Gardens sample; and methylene chloride — 0.99 ppb found in one of the three Pottstown samples.

The 1,2 dichloroethane is commonly used in the manufacture of antifreeze, nylon, rayon, rubber, and plastics. But it shouldn't be in your water. In the Amity Gardens sample, taken from the Kenneth and Janice Arnt residence, 402 Laurelwood Drive, 3.5 ppb of 1,2 dichloroethane was found.

The 3.5 is high when you consider it is 350 percent higher than the recommended allowable level of zero. But it is just shy of the proposed maximum level of 5 ppb.

It is a known carcinogenic, based on experiments with rats and mice.

Symptoms of too much 1,2 dichloroethane include dizziness, mental confusion, nausea and vomiting.

The methylene chloride found in Pottstown, at the residence of Michael Sangiacomo, 454 Spruce St., is not any healthier for you. It is a potential carcinogen, and can produce headaches, irritability, numbness and tingling in the limbs. It can enter your system through drinking it, or through your nose, eyes or skin if in a vaporized state.

A chemical commonly found in paint removers, methylene chloride's recommended level is zero.

The trihalomethanes found in several samples, due to the addition of chlorine to the water to kill bacteria, will be covered in the article on bacteria to run Wednesday.

Accompanying this story (see page 5) is a listing of each chemical tested for by the laboratory. It tells where the chemical comes from, how bad it is, and what it can do to you in large amounts over a long period of time.

Council hopes tenant-reporting ordinance can fill out tax rolls

(Continued from page one)

\$20,000 a year and the wife's making \$10,000. That's \$300 (in earned income tax revenue) right there. Then you got your per capita tax — that's \$20 more. Plus another \$24 for his occupational millage tax and \$6 for her. That's \$350 we never see. I'm just using that as an example, but it's not far-fetched."

One council member, who will not be identified because he was speaking at non-public meeting last Wednesday, strongly favored a tough version of a tenant-reporting ordinance, claiming it could also be used for stricter code enforcement of borough buildings.

He said he learned at a recent state convention for borough officials that West Conshohocken acquires the names of tenants and enforces codes through an occupancy tax.

"The main reason for it is to re-

ynier.

"I think if you're considering the inspection requirement you would need to study the turnover rate of rental units in town," said Harwood. "You might need to add more staff to make all those inspections."

"Well somehow I think we need to put teeth in this," said the council member endorsing the tough measure. "With all the slumlords we have in town, we have a lot of transients — the guy who lives above the bar for a couple weeks. You get guys like that."

Council cut off discussion at that point and agreed to consider the inspection provision. Reynier said the tenant-reporting ordinance may raise "constitutional questions" when it is enforced.

"Somebody might question the lack of uniformity of the law," he said after the meeting, indicating the ordinance might be perceived as

properties to report the names and mailing addresses and employers' name of all tenants over 18 years of age.

The landlords also are required to offer quarterly reports on new tenants and give notice of tenants vacating units.

Reynier declined to comment on what might be included in a local law. After he works on the ordinance, council will most likely review it at its next committee of the whole meeting and possibly pass at its public meeting on April 14.

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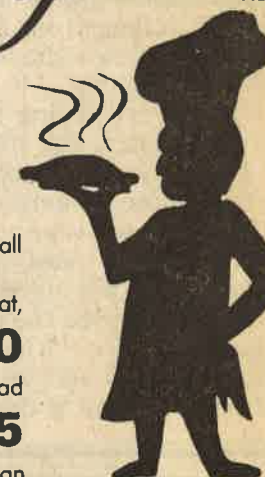
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Breakdown of chemicals tested for

The 23 industrial solvents tested by Suburban Water Testing Laboratories Inc., Frederick, are among the most common industrial solvents. Ideally, there should be no compounds detected in residential water supplies.

If some are found, further testing is generally advised. Many of these are carcinogenic and do not occur naturally.

Much of this information was obtained from "The Handbook of Toxic and Hazardous Chemicals and Carcinogens," by Marshall Sittig.

Here is a breakdown of each chemical tested for, how it is, or was, commonly used, its dangers, and recommended guidelines, if any:

Carbon Tetrachloride — A once-used cleaning solvent, degreasing agent. Not regulated by law. Recommended maximum level is 0; proposed federal maximum level is 5 parts per billion. Side effects are nervous system depression (similar to a drunken state), liver and kidney damage. Acute exposure causes nausea, vomiting, diarrhea, and jaundice. It causes cancer in rats and mice, producing liver tumors.

1,2-Dichloroethane — A compound formed by decomposition of other chemicals. Used in manufacture of anti-freeze, nylon, rayon, rubber, and various plastics. Recommended level is 0; proposed federal maximum level is 5 parts per billion. Side effects: Drying of skin after physical contact of raw material; inhalation may cause nausea, vomiting, dizziness, mental confusion, liver and kidney damage; respiratory and circulatory failure in high levels; neurological changes. A known carcinogenic, based on experiments with mice and rats.

1,1,1-Trichloroethane — Most commonly used of all compounds and least hazardous, it is currently used in household cleaners. Acute exposure causes dizziness, central nervous system damage, damage to the cardiovascular system. It is not considered cancer causing. EPA recommends a maximum level of 200 parts per billion; proposed federal maximum level is 200 parts per billion.

1,1-Dichloroethane — Very similar to 1,2-Dichloroethane. Used as a degreasing agent, also in producing other organic compounds. Not currently regulated. Exposure in large amounts affects central nervous system, and causes dizziness, drowsiness, unconsciousness, liver and kidney damage. Long-term exposures to this compound, as well as most others, is unknown. Not listed as carcinogenic.

1,1,2-Trichloroethane — Similar to 1,1,1 Trichloroethane. Not regulated. Risk of contracting cancer is 1-in-100,000 from prolonged exposure to 6 parts per billion. Little is known on its toxicity. In animal experiments, exposure caused depression of the central nervous system. It is also carcinogenic. Points of attack are eyes, nose, liver, kidneys.

1,1,2,2-Tetrachloroethane — Used as a dry cleaning agent and fumigant in cement and in lacquers. Also used in manufacture of artificial silk, artificial leather and artificial pearls. Also used as a solvent for furs. Recommended level is 0, and the risk of contracting cancer from prolonged exposure to 1.7 parts per billion in 1-in-100,000. Harmful effects include body tremors, headaches, numbness of limbs, loss of kneejerk, excessive sweating. Points of attack are liver, kidney, and central nervous system. Carcinogenic.

Chloroethane — Little information available. No guidelines.

What are you drinking?



By Bob Montgomery

try, extraction and purification of penicillium and other pharmaceuticals, manufacture of artificial silk, plastics, floor polishes, and fluorocarbons. Cancer risk is 1-in-100,000 for prolonged contact with 1.9 parts per billion. Environmental Protection Agency allows in public water supplies up to 100 parts per billion of all four trihalomethanes combined — chloroform, bromoform, chlorodibromoethane and bromodichloromethane. Side effects from exposure to large amounts include digestive disturbances, dizziness, mental dullness and coma. Alcoholics are affected sooner and more severely. Points of attack are liver, kidney, heart, eyes and skin. Carcinogenic.

1,2-Dichlorobenzene — Uncommon, it is used in manufacture of toluene. No recommended levels have been established. Harmful effects from exposure to large doses include hemolytic anemia, liver necrosis. Points of attack are kidney, skin, eyes, respiratory system.

1,3-Dichlorobenzene — Very similar to 1,2 Dichlorobenzene. The numbers before the name indicate the position of chlorine in the molecule.

1,4-Dichlorobenzene — Used as an air deodorant and insecticide. Maximum allowable limit is 750 parts per billion. Not carcinogenic. Similar side effects as previous two compounds.

1,1-Dichloroethene — A biproduct of TCE. Causes liver and kidney damage, depression of the central nervous system, weakening of the heart. Most studies indicate it is not cancer causing. EPA recommends a maximum level of 7 parts per billion, and is proposing the same under law.

Trans-1,2-Dichloroethene — Used as a solvent for waxes, resins, extraction of rubber, refrigerant and in the manufacture of pharmaceuticals and artificial pearls. No limits established. Harmful effects include depression of the central nervous system, dizziness, vomiting, nausea. Points of attack in concentrated forms are the respiratory system, eyes, and nervous system.

1,2-Dichloropropane — Used as a chemical intermediate in PCE (see below). Also as a lead scavenger in gasoline for anti-knock fluids. Also used as a scouring compound and metal degreasing agent. No guidelines established due to insufficient data. Points of attack are skin, eyes, respiratory system, liver kidneys.

1,3-Dichloropropene — Used as a soil fumigant, nematocide for crops. Maximum level commonly used in industry is 87 parts per billion. Tests have shown it to be mutagenic (causing mutations), and to have a low tumor causing potential. It also causes liver and kidney injury in laboratory animals.

Methylene chloride — A common chemical found in paint removers. Also used as a solvent for oils, fats, waxes, cellulose acetate, esters. Also used as a degreaser. A potential carcinogen. Recommended level is 0. One-in-100,000 people who is exposed to 1.9 parts per billion over a long period of time will develop cancer. If inhaled, it produces stupor, headaches, irritability, numbness, tingling in limbs. Points of attack are skin, cardiovascular system, central nervous system, eyes.

Before using paint removers or other products, read the label. Often the skin is not a barrier that will shield against exposure to chemicals.

Bromoform — One of the four trihalomethanes caused by the addition of chlorine to drinking water supplies. Bromoform is also used in pharmaceutical manufacturing, ingredient in fire resistant chemicals, as a solvent for waxes, greases and oils. Lifetime cancer risk is 1 in 100,000 for exposure of 1.9 parts per billion, or 1 in 10,000 for exposure to 19 parts per billion. A common filter at the tap can remove trihalomethanes. Points of attack are skin, liver, kidneys, respiratory system, central nervous system. Potentially carcinogenic.

Bromodichloromethane — Another trihalomethane, same cancer risk as bromoform. Acutely toxic to mice in large doses. Also mutagenic in salmonella bacteria tests. Further details not available.

Trichlorofluoromethane — Commonly known as Freon 11, used as a refrigerant, an aerosol propellant, foaming agent. Also used as a flush in refrigerant systems. Very volatile. Recommended level is 0.

risk of contracting cancer is 1 in 100,000 for long-time exposure to 8 parts per billion. The rule of thumb threshold is 3.5 parts per billion. A definite carcinogenic. Points of attack include liver, kidneys, central nervous system, eyes, upper respiratory system.

Trichloroethylene: Commonly known as TCE. Most commonly found of all. Used as a solvent in vapor degreasing. Most metal processing plants which manufacture metal parts will use this to clean the parts before they ship them out. It had also been used for extracting caffeine from coffee before being discontinued and replaced by methylene chloride. Also used as a dry cleaning agent, as a chemical intermediate in production of gums, chemicals, pesticides, resins, tars, paints, varnishes, and certain chemicals. Recommended level is 0. Proposed federal maximum level is 5 parts per billion. Lifetime risk of contracting cancer is 1 in 100,000 people for exposure to 27 parts per billion. Laboratories use 4.5 parts per billion as the safety threshold. Acute exposure to trichloroethylene depresses the central nervous system exhibiting such symptoms as headache, dizziness, vertigo, tremors, nausea and vomiting, irregular heart beat, sleepiness, fatigue, blurred vision, and intoxication similar to that of alcohol. Unconsciousness and death have been reported.

In addition to these, some other compounds were discovered in two samples, both of which originated in Exeter Township. At the Charles Douglas residence on Fairview Chapel Road, benzene — 7 parts per billion of it — was found. Here is what benzene is, and what it can do to you in high concentrations over a period of time.

Benzene — A known carcinogen, benzene is listed as a hazardous substance with EPA. It is a clear, volatile, colorless, highly flammable liquid with a characteristic odor. Benzene is used as a constituent in motor fuels, as a solvent for fats, inks, oils, paints, plastics and rubber, in the extraction of oils from seeds and nuts, and in photogravure printing. It is also used in the manufacture of detergents, explosives, pharmaceuticals and dyestuffs. EPA recommended level, 0 parts per billion. EPA's proposed limit is 5 parts per billion. Exposure to liquid and vapor may produce irritation to skin, eyes and upper respiratory tract. Acute exposure to benzene results in central nervous system depression. Headache, dizziness, nausea, convulsions, coma and death may result. Also, chronic exposure causes blood changes. Points of attack: blood, central nervous system, skin, bone marrow, eyes, respiratory system.

Also found, in a sample from the home of Richard and Susan Olson, 20 Ironstone Drive, Crestwood, Exeter Township, was toluene, ethyl benzene, M&P xylene, and O-xylene. Here are brief explanations of those compounds:

Toluene — It is a clear, colorless liquid with a sweet, pungent odor. It may be encountered in the manufacture of benzene. It is also used as a chemical feed; as a solvent for paints and coatings; or as a component of automobile and aviation fuels. Toluene may cause irritation of the eyes, respiratory tract, and skin. Repeated or prolonged contact with the liquid may cause removal of natural lipids from the skin, resulting in dry, fissured dermatitis. Symptoms from acute exposure include headache, dizziness, fatigue, muscular weakness, drowsiness, incoordination, collapse and coma. Points of attack: central nervous system, liver, kidneys, skin. The EPA recommended maximum contaminant level is 2,000 ppb.

Ethyl benzene — Also clear, colorless liquid with a pungent aromatic odor. Ethyl benzene is used in the manufacture of cellulose acetate, styrene, and synthetic rubber. It is also used as a solvent and as a component of automotive and aviation gasoline. Harmful effects include kidney disease, liver disease, chronic respiratory disease, skin disease; irritation of the eyes and mucous membranes, headaches, dermatitis, narcosis, coma. The EPA recommended maximum contaminant level is 680 ppb.

Xylenes — The two xylenes are colorless, flammable liquids. Xylene is used as a solvent; as a constituent of paint, lacquers, varnishes, inks, dyes, adhesives, cements, cleaning fluids, and aviation fuels; and is also used in the manufacture of quartz crystal