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JUL 23 1991

July 22, 1991

Mr. Richard Spiese
Petroleum Sites Management Section
Vermont Department of
Environmental Conservation
103 South Main Street
Waterbury, Vermont 05676

RE: Subsurface Contaminant and Hydrogeologic Investigation Summary Report for Campbell's Garage, Chelsea, Vermont

Dear Rich:

Enclosed please find the above captioned Report for Campbell's Garage. If you have any questions or concerns with regard to this matter, please do not hesitate to call Steve LaRosa at 802-453-4384.

Sincerely,

Susan D'Avignon

Susan D'Avignon
Administrative
Assistant

/smd

Enclosure

cc: William Sellinger
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JUL 23 1991

SUBSURFACE CONTAMINANT AND HYDROGEOLOGIC INVESTIGATION

SUMMARY REPORT

FOR

CAMPBELL'S GARAGE

CHELSEA, VERMONT

Prepared for:

Vermont Department of
Environmental Conservation
103 South Main Street
Waterbury, Vermont 05676

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I. BACKGROUND

A. Background Site History

On March 7, 1991 daily underground storage tank (UST) product level monitoring data indicated a 150 gallon release of gasoline from one of the three 50 year old 2,000 gallon USTs located at Campbell's Garage on Route 110 in Chelsea, Vermont. The site is generally located on **Figure 1**. In response, the proprietor of Campbell's Garage notified Northern Petroleum (NP), the owner of the USTs, who responded by immediately visiting the site and double checking the inventory records and the contents of the subject UST. At that time, NP discovered a hole in the bottom of the subject UST directly beneath the fill pipe. NP personnel reported the 150 gallon gasoline loss to the Vermont Department of Environmental Conservation (VDEC). The VDEC requested that NP contract a qualified consultant to investigate and remediate the contamination. NP initiated UST removal under the supervision of Lincoln Applied Geology, Inc. (LAG) on March 12, 1991.

The subject UST and the two USTs adjacent to it were removed on March 12th and 13th, 1991. The location of the former UST area and other pertinent site details are included as **Figure 2**. Two additional USTs were removed on the 12th and 13th. NP did not know that these two abandoned USTs existed. The USTs were a 550 gallon fuel oil tank and a 1500 gallon tank with unknown contents. Inspection of all five tanks indicated that leakage could have been potentially occurring from each.

Test pit excavations were performed during the UST removal activities. These test pits revealed free product was present on the ground water in the former UST area. A test pit to the west of Campbell's Garage indicated that significant amounts of petroleum contamination were not migrating directly towards the First Branch of the White River.

Background research regarding potential contaminant receptors indicated that the majority of the public drinking water for Chelsea is provided by a well field located approximately 100 yards to the south of the Campbell's Garage site. LAG immediately notified the VDEC, Vermont Department of Health (VDOH), and the Chelsea Water Commission of the degree and proximity of petroleum contamination associated with the Campbell's Garage site. Discussions with all three parties resulted in the initiation of a full scale subsurface hydrogeologic and contaminant investigation, ground water remediation and the installation of measures to prevent contamination of the drinking water supply for the Town of Chelsea. This work was initiated by LAG in April of 1991 and has continued to date.

B. Site Location

The Campbell's Garage and subject well field are located on the western side of Vermont Route 110 in the Town of Chelsea, Vermont. The property is generally located on **Figure 1**. A detailed site location map showing pertinent buildings and subsurface structures is included as **Figure 2**. The site is bounded to the north by residential and commercial buildings and to the east by Route 110. The southern portion of the site near the well field is bounded to the west by a heavy equipment storage shed and residential buildings to the south. The entire site is bounded by the First Branch of the White River to the west. The area is generally covered by buildings or dirt parking lots and grass areas. Topographically the site can be described as gently sloping towards the west. Topographic relief from the Campbell's Garage to the well field is 4 to 5 feet.

Precipitation falling on the site's parking areas will generally flow over land towards the west and the First Branch of the White River. Precipitation on the grass areas associated with the well field and the adjoining residential and commercial businesses will infiltrate the ground surface and recharge the ground water system beneath the site. In general, ground water flow beneath the Campbell's garage area is perpendicular to the flow of the First Branch of the White River (i.e. east to west). However, ground water flow near the drinking water well field is parallel to the flow of the First Branch of the White River (i.e. north to south).

C. Subsurface Geology

The subsurface geology can be broken down into two geologic types, surficial and bedrock geology. The surficial geology was evaluated by Doll in 1970. The study area is underlain by what is described as fluvial sands and gravels.

The bedrock geology was evaluated by Doll in 1961. These studies indicate that the property is underlain by the Lower Devonian aged Waits River formation. This formation is described as a gray quartzose and micaceous crystalline limestone. No outcrops of bedrock are found adjacent to the site.

D. Business History

Interviews with the current proprietors of Campbell's Garage and review of records at the Chelsea Town Offices indicate that this site has been operated as a retail gasoline distribution and vehicle repair facility since the early 1940's. The original distribution facility was not located in the exact spot as the current

building. However, the USTs for the previous facility were located near the former UST area for Campbell's Garage.

II. SCOPE OF INVESTIGATION

A. Objectives

The objectives of LAG's subsurface contaminant investigation and drinking water system contamination prevention measures were to:

1. remove the source/sources of petroleum contamination,

2. define the degree, phase, and areal extent of petroleum contamination,

3. define ground water and contaminant flow directions and gradients,

4. design, install, and operate ground water remediation systems which would effectively contain and recover the petroleum contamination, and

5. minimize the potential for consumption of petroleum contaminated drinking water by the residents of the Chelsea community.

B. Methodology Utilized to Accomplish Objectives

The definition of the degree, phase, areal extent of subsurface contamination, flow directions, and gradients has involved:

1. the application of reconnaissance level field mapping techniques to define the surficial and bedrock geology of the site,

2. the placement and excavation of two test pit type monitoring wells,

3. the installation of ten ground water quality monitoring wells,

4. the descriptive logging and HNU photoionization/olfactory screening of all soils associated with ground water monitoring well installations,

5. the installation of two stream gauging pins,

6. the performance of a stadia type site survey and the generation of a scaled site map,

7. the collection of HNU photoionization and ground water level data,

8. the generation of ground water contour maps,

9. the collection and analysis of chemical ground water quality samples, and

10. the compilation, detailed review, and evaluation of all data collected to date.

The design, installation, and operation of contaminated ground water containment, recovery, and treatment systems has involved:

1. detailed review of all data collected regarding ground water flow directions and gradients,

2. the installation of 2 test pit type ground water monitoring wells,

3. the installation of two 6" ground water recovery wells,

4. the installation of a ground water depression system in each recovery well,

5. the installation of a free product recovery system in one of the recovery wells,

6. the design and implementation of ground water treatment systems for water pumped from each recovery well,

7. the active depression and treatment of ground water in each recovery well,

8. the active recovery of free product, and

9. the weekly maintenance and water quality sampling of each ground water treatment system.

Contaminant prevention measures undertaken on the Chelsea drinking water distribution system have involved:

1. the collection and analysis of numerous chemical water quality samples from each of the active drinking water wells,

2. the installation, operation, and upkeep of a large scale, pressurized granular activated carbon treatment system,

3. the installation, operation, and upkeep of a chlorine disinfection system, and

4. the detailed analysis of all data collected to date.

III. RESULTS OF INVESTIGATION

On March 13, 1991, LAG visited the subject site with representatives from NP to investigate the extent of free and dissolved phase petroleum contamination related to the March 7, 1991 release of 150 gallons of gasoline. Upon arrival, LAG found that the three 2,000 gallon USTs had been removed from the UST area. Also removed was an abandoned 1,500 gallon UST which was previously unidentified. The contents and useful life of this tank was unknown. However, it is assumed that it contained either gasoline or waste oil type products. Investigation of the soils associated with the excavation indicated that an abandoned 550 gallon fuel oil tank was also associated with this UST area. This tank was removed on the 13th.

The soils associated with the UST excavation consist of medium to coarse sands, fill, and some gravel. The current location of Campbell's Garage and the former UST area are within the confines of a large hotel which occupied the site during the early part of this century. The hotel burned to the ground and was demolished into its own cellar foundation. Evidence of the old construction was obvious throughout the excavation.

Soils within the excavation contained levels of vapor phase contamination between 300 and 500 parts per million (ppm) on an HNU photoionization device (PID). The soils at the ten foot depth were nearly saturated with free phase gasoline product.

The condition of the five steel USTs is described as severely rusted and pitted. Evidence that each of the USTs was actively leaking product was noted. A large hole approximately 3/8 of an inch in diameter was noted at the fill end of the UST which reported the 150 gallon release. The hole was probably formed by continual wear from the product level gauging measurements which were conducted over the 50 year life of the tank. Upon removal from the

excavation, all of the tanks were properly purged and transported from the site by NP with the exception of the 550 gallon tank. This tank remains on-site.

In an effort to delineate the extent of free phase contamination, LAG and L. Pickett Excavating located and installed two observation wells. The first observation well (OW-1, located on **Figure 1**) was installed between Campbell's Garage building and the First Branch of the White River. OW-1 was installed in a test pit 13 feet deep. The soils encountered in the excavation were medium to coarse sands over nested cobbles and fine gravel. Some interbedded layers of silt were found in the coarse sands. Ground water was encountered at a depth of approximately 12 feet, the same elevation as the river. No positive PID readings were noted, and olfactory odors were not identified.

The second observation well (OW-2) was installed directly beneath the subject UST. OW-2 was installed approximately 13 feet in depth. The soils encountered in this excavation are similar to those seen in the OW-1 area. Significant amounts of photoionizable vapor and odor were associated with the soils adjacent to the ground water. PID readings of greater than 300 ppm were noted.

Each of the two observation wells are constructed of a 10 foot section of .020 slot 4" diameter well screen and sufficient riser to bring the top of the well above grade. Native fill was used as a packing material around OW-1. "Clean" fill was used around OW-2. Descriptive wells log for each of the observation wells are included in **Appendix A**.

Approximately 100 cubic yards of contaminated soil was removed from the UST area. The soils are stockpiled on and covered with plastic on the north side of the Campbell's Garage building. The soils contained photoionizable levels of contamination in excess of 300 ppm. The removal of the soils was recommended by LAG in an effort to remove as much of the "source area" contamination as was feasible. Clean gravel and fill was used to bring the UST area excavation back to the original surface grade elevation.

LAG and NP monitored the ground water level in OW-1 and OW-2 for several days after their installation. It was found that free phase gasoline was present in OW-2 on a regular basis. NP removed the product from OW-2 on a daily basis for a period of several weeks. After several weeks of bailing, free product did not exist in a substantial enough thickness to warrant manual recovery.

Research into potential downgradient receptors of the gasoline contamination indicated that the well field which supplies the majority of the drinking water for Chelsea exists 300 feet downgradient from the Campbell's

site. The drinking water well completion records report an average well depth of 25 feet. This means that the wells pump ground water from the same unconfined aquifer the gasoline contaminated. DW-2, 3, and 4 are currently operating on a full time basis. Observations of the pumping frequency of each well system indicate that DW-3 operates more frequently than DW-2 and 4. DW-1, DW-2, and DW-4 are constructed of open end well casing finished in gravel. The primary intake area for these wells is approximately 13 to 18 feet below the ground water surface. DW-3 is a large diameter torch slotted culvert well. This design allows ground water infiltration from the top of the ground water surface where gasoline contamination is the most concentrated.

The First Branch of the White River also has a potential to be adversely affected by the flow of free product and/or contaminated ground water. LAG contacted the VDOH, the VDEC, and the Chelsea Water Commission and described the situation (during a joint site visit) in an effort to facilitate the prompt investigation of the extent, degree, and phase of contamination. Concerns regarding what preventative measures should be utilized to ensure that petroleum contaminated drinking water was not being distributed through the public drinking water system also needed to be promptly addressed. It was determined by all involved parties that a more detailed hydrogeologic investigation would be needed to appropriately address these concerns.

Determination of hydrogeologic conditions has involved the installation of nine ground water monitoring wells, one 2" piezometer well, and two additional excavated observation wells. The location of each well is indicated on **Figure 2.** The monitoring wells and the piezometer well were installed using standard hollow stem auger techniques. This included intermittent split spoon type sampling. Split spoon samples were descriptively logged and screened using HNU photoionization and olfactory techniques to determine approximate levels of free, vapor, and/or dissolved phase contamination. Detailed soil lithologies and well construction details are included as **Appendix A.**

In general, the soil profile across the site is described as topsoil over well oxidized medium brown sands and sandy fine gravel to a depth of approximately 11 to 12 feet. From 12 feet to approximately 19 feet the sandy gravels become more coarse textured and black in color. During the placement of the piezometer (PW-1) a gray, very fine sandy silt was encountered at a depth of 19 feet. The depth of the entire silt layer is unknown. A pictorial description of the lithology encountered at the site is enclosed as **Attachment A** as a "typical monitoring well".

Construction of the monitoring wells and the piezometer consists of a length of 2" diameter factory slotted well screen and flush coupled riser. The

annular space between the well screen and the borehole was filled with an artificial sand pack, and a one to two foot bentonite seal was placed directly on the sand pack with the exception of MW-7. Each of the drilled wells was finished flush with grade with a concrete collar and a metal access way.

MW-7 was finished with a stickup of approximately 3 feet and a locking vandal guard. The construction of PW-1 is also slightly different. This well was constructed of a six inch long section of factory slotted screen and 18 feet of solid riser. The annular space was filled with sand pack to a point approximately 3 inches above the top of the screen. A one foot bentonite seal was placed on top of the sand. The remaining annular space was filled with a bentonite slurry grout. A pictorial representation of the lithology and construction for PW-1 is also included in **Appendix A**.

In general, significant olfactory evidence and PID levels were associated with the soils associated with MW-1, MW-3, MW-6, MW-9, and OW-2. Free product was found on the soils associated with MW-3 and OW-2. The soils from the remaining wells did not show evidence of free product, but vapor readings of between 5 and 300 ppm were noted on the PID.

Upon completion, each of the monitoring wells was properly developed using non-turbulent methods. The wells were stadia surveyed to determine their relative top of casing (TOC) elevations and locations. The drinking water well array was also included in the stadia site survey. The well elevations and locations, and a base map supplied by Wright Engineering have been utilized to generate the detailed site map presented as **Figure 2**. Two stream pins located along the First Branch of the White River are being utilized as stream elevation gauging points. They are labeled as SP-1 and SP-2 on **Figure 2**. These points were also stadia surveyed and located to aid with generating ground water contour maps.

The relative elevations of each of the monitoring wells, stream gauging pins and drinking water wells have been utilized in conjunction with the ground water level monitoring data to generate ground water contour maps which show ground water flow directions and gradients.

Ground water elevation data has been collected on a weekly basis since the start of the on-site work. All data collected to date is presented on **Table 1**. Also presented on **Table 1** is free phase product thickness measurements. A review of **Table 1** indicates that ground water levels have generally been declining throughout the study period. The current mean ground water levels are approximately 0.5 feet lower than the levels seen in April 1991. The overall ground water elevation change across the site from MW-5 to MW-7 is approximately 5 feet. Comparison of ground water elevations in PW-1 and MW-

6 shows a very slight upward gradient exists in the aquifer, indicating that the site area is generally a ground water discharge zone.

The ground water elevation data collected on April 22, 1991 has been utilized to generate the ground water contour map presented as **Figure 3**. The contour map shows ground water flow is generally towards the First Branch of the White River in the area of Campbell's Garage and parallel to the flow of the river from Maple St. towards the south. The ground water gradient in the area of Campbell's Garage is approximately 0.044 ft/ft. This gradient is relatively steep when compared to the 0.0063 ft/ft gradient from Maple St. to the drinking water well field. The contour map for April 22 clearly shows how contaminants entering the ground water in the area of Campbell's Garage have a high potential of flowing towards both the First Branch of the White River and the area of influence of the drinking water well field.

Table 1 and **Figure 3** also indicate that free product was measured on the ground water in MW-3 and OW-2 on April 22, 1991. Nearly 0.25 feet of product was evident in MW-3 and 0.01 feet of product was in OW-2. This data indicates that a substantial portion of the free product plume had already migrated away from the former UST area at the Campbell's site towards the First Branch of the White River and the drinking water well field.

PID readings have also been taken of the headspace gases associated with each of the monitoring wells during the ground water elevation monitoring rounds. This information is presented as **Table 2**. Review of **Table 2** indicates that significant quantities of petroleum vapor were consistently associated with MW-1, MW-3, MW-4, and MW-9 during late April. This data mimics the olfactory and PID data collected during the screening of soils during monitoring well installation. It also confirms gasoline plume migration towards the drinking water well field.

With this information, LAG again met with all parties to discuss remediation system design and placement criteria. As a result of these discussions, a large diameter steel culvert well was installed in the area just to the north of the Pines building (OW-3 on **Figure 2**). The well is constructed of a 24" torch slotted culvert installed vertically to a depth of 12 feet. The culvert was backfilled with 0.75 inch crushed stone and allowed to adequately recover to determine if a remediation system could be placed in this well. After a several day equilibration period, it was determined that OW-3 was not of sufficient depth to facilitate an adequate amount of ground water depression for efficient free product containment and recovery.

In an effort to contain and recover free phase gasoline, a drilled 6 inch diameter factory slotted PVC well was installed under LAG's supervision by

Falcon Well Drilling Inc. (FWD) 65 feet downgradient of OW-3. The location of this recovery well (RW-1) is indicated on **Figure 2**. The well was drilled to a depth of completion of 30 feet. The well consists of 20 ft. of six inch well screen and sufficient riser to finish the well flush with grade. An artificial sand pack was placed around the screen and a bentonite seal installed directly on top of the sand pack.

During the course of RW-1 installation, an underground fuel oil storage tank was encountered and accidentally perforated resulting in the release of approximately 100 gallons of fuel oil. The underground storage tank was removed along with all petroleum contaminated soils associated with it. A four inch observation well (OW-4) was installed to a depth of 12 feet in the area of the perforated fuel oil storage tank. The well was installed by L. Pickett Excavating with a backhoe. A gravel and sand pack consisting of 0.75 inch stone and native fill was placed around the well. During installation of both OW-4 and RW-1 free phase gasoline was encountered.

A second recovery well, RW-2 was also installed by FWD which would effectively contain and recover contaminated ground water from the aquifer adjacent to the drinking water well field. RW-2 consists of a 15 foot section of steel casing which was vertically torch slotted from 5 to 15 feet. Native fill was used as a packing material for the well. No evidence of petroleum contamination was revealed by olfactory and PID screening of soils encountered during the drilling process. Descriptive well logs for OW-4, RW-1 and RW-2 are included as **Appendix A**. Also included in **Appendix A** are pictorial lithologic and construction details for RW-1 and RW-2.

Upon completion, ground water depression pumps were installed in each of the recovery wells. A free phase product recovery pump was also installed in RW-1. The waters pumped by each of these systems is currently being treated by granular activated carbon units before being discharged to the First Branch of the White River adjacent to SP-2.

During installation of RW-1 and RW-2, NP elected to remove the 4,000 gallon UST remaining on the south side of the Campbell's building. The UST was found to be severely pitted and actively leaking. The soils beneath the UST were similar to those seen throughout the investigation and saturated with free phase gasoline. Approximately 25 cubic yards of contaminated soil was removed from the area and stockpiled with the soils from the April 13th UST removals. Clean fill was used to backfill the excavation.

The effects of continuous operation of RW-1 and RW-2 on the overall ground water flow directions and gradients throughout the site are exhibited on **Figures 4, 5,** and **6**. **Figure 4** represents the ground water surface on May 6,

1991. Comparison with **Figure 3** shows how ground water flow directions have been significantly impacted by the operation of RW-1 and RW-2. On this date, RW-1 was pumping ground water at a rate of approximately 15 gpm and RW-2 at 10 gpm. A ground water depression of approximately 1 foot can be seen surrounding RW-1. The depression surrounding RW-2 is approximately 1.5 feet in depth. The radius of influence of each of the recovery wells effectively contains the flow of ground water south of Maple St..

As each of the recovery wells developed, pulling silts and fine sands from the adjacent aquifer, the overall depression of ground water decreased significantly. For this reason, the ground water flow rate in RW-1 was increased from 15 gpm to 20 gpm. The flow rate for RW-2 was maintained at the same rate (i.e. 10 gpm). **Figure 5** shows the ground water contours for the site from data collected after one week of ground water pumping at a rate of 20 gpm from RW-1 on May 20, 1991. As can be seen, the cone of depression associated with RW-1 is still relatively small, but the depth of the cone of depression associated with RW-2 increased to approximately 3 feet. Even with this depth of depression increase, RW-2 does not effect ground water flow over a larger area of the site. Comparison of ground water elevation data for RW-2 and DW-3 presented on **Table 1** shows that ground water levels in DW-3 were nearly the same as RW-2. In response, the flow rate in RW-2 was increased to result in a slightly greater ground water depression than occurs in DW-3.

Figure 6 is a ground water contour map for data collected on July 10, 1991. At this time, RW-1 was operating at a flow rate of 22 gpm and RW-2 at 15 gpm. This map shows a substantially larger overall cone of ground water depression associated with both RW-1 and RW-2. **Figure 6** indicates that with the increased flow rates, ground water is not only contained but a much steeper gradient towards each of the recovery wells had developed in comparison to that seen on the previously presented figures. Ground water flow gradients associated with RW-1 are still not as steep as we would like. We feel that substantially greater quantities of ground water need to be pumped from RW-1 to create a 3 to 4 foot ground water depression. The current activated granular carbon treatment system is not capable of treating a ground water flow of greater than 20 to 25 gpm. For this reason, LAG has pursued the rental of a low profile air stripping system capable of treating the contaminated ground waters pumped from RW-1 at flow rates of up to 40 gpm. LAG plans to install this equipment and perform a pumping test on RW-1 to determine its optimum ground water pumping rate. The pump testing will be completed by the middle of August 1991.

The presence of the old hotel foundation and several sanitary sewer, storm sewer, and water mains beneath the site in the area of Maple St. necessitate their consideration as potential preferred ground water flow

conduits. Analysis of the ground water elevation data and ground water contour maps indicates that none of these subsurface structures are significantly altering ground water flow in the affected area. The presence of the hotel foundation may be partially responsible for the steep ground water gradients seen in the Campbell's Garage area. However, the foundation does not appear to be inhibiting or enhancing ground water and or contaminant flow. Elevations at the base of the sewer and water mains are 1 to 2 feet above the top of the ground water surface. Therefore, these structures should not impede ground water flow towards RW-1.

With regard to product thickness, free product has been noted in MW-3, OW-2, OW-3, OW-4, and RW-1 on a constant basis throughout the monitoring history of the site. Free product thicknesses average 0.25 feet in the observation wells and MW-3. At this time, product thickness measurements in the observation wells appears to be fairly constant. Free product thicknesses in RW-1 have ranged between 0.02 and 1.5 feet. Free product was not evident in RW-1 until the middle of May. LAG feels that free product began actively migrating into RW-1 when the ground water pumping rate was increased to 20 gpm. The significant decrease in ground water levels has resulted in MW-3 becoming dry. LAG feels that the product thickness in this area is mimicking the stable measurements seen in the observation wells.

Product recovery efforts in RW-1 have yielded approximately 60 gallons of free phase gasoline. Due to difficulties with the operation of RW-1 at the current pumping rate, free product has not been recovered in a consistent manner. With the installation of the low profile air stripping system, we feel that constant ground water depression will be maintained, thereby allowing more consistent free product recovery. The constant ground water depression in RW-1 should yield greater amounts of free product than are currently being recovered.

With regard to overall chemical ground water quality, water quality samples have been obtained from several of the drinking water wells on a weekly basis since March 28, 1991. Sampling of the monitoring wells and treatment systems on-site have also occurred on a weekly to monthly basis. The water quality samples have been analyzed by either Endyne, the Department of Health, or the Department of Environmental Conservation laboratories. All water quality sample result sheets submitted to LAG are presented as **Appendix B**. This data has been compiled in a tabular form and is presented as **Table 3**. **Table 3** presents the data as the sum total of total BTEX and MTBE, and MTBE concentrations.

Review of the water quality data indicates that substantial quantities of dissolved petroleum contamination existed in MW-1 and OW-2 on April 3, 1991.

Please note that the sample from OW-2 was taken from just below the free product/ground water surface interface. The total BTEX and MTBE concentration in OW-2 was 84,260 ppb. Contaminant concentrations in MW-1 totalled 8,987 ppb. Of this total, 889 ppb of the contamination was MTBE. The presence of MTBE has been well documented as a dissolved contaminant enhancer due to its ability to co-dissolve BTEX constituents into the ground water. MTBE is also known for its very rapid migration rate in ground water. The presence of significant amounts of MTBE contamination in MW-1 prompted LAG and the Town of Chelsea to install a granular activated carbon treatment system on the drinking water well supply system. Details as to the design installation and operation of this system will be discussed later.

A full round of chemical ground water quality sampling was performed on April 15, 1991. Each of the monitoring wells was sampled with the exception of OW-3 and OW-4. Each of the wells in the Chelsea drinking water well field were also sampled. The results of these analyses are presented in **Appendix B, Table 3**, and on **Figure 7** which shows the estimated limits of free and dissolved phase contamination. Review of **Figure 7** shows free product and dissolved contaminant plumes as generally long and narrow in nature. Please note that the dissolved contaminant plume extends to the area surrounding MW-7 which is directly adjacent to the drinking water well field. Significant amounts of dissolved contamination also exist in MW-9 which is directly adjacent to the First Branch of the White River.

Ground water sampling was performed on selected monitoring wells on a weekly basis throughout the months of April and May. MW-2 and MW-7 were sampled and analyzed by the Department of Environmental Conservation Laboratory. The results of this sampling (shown on **Table 3**) indicate that no detectable amounts of hydrocarbons were seen in MW-2 throughout the period. However, MTBE was found in MW-7 in concentrations of up to 215 ppb throughout the month of April. During the month of May, the concentration of MTBE in MW-7 declined significantly. This is a direct result of ground water pumping activities associated with RW-2.

Another full round of ground water quality samples was obtained on June 4, 1991. Results of this analysis have been used to generate the estimated limits of contamination map presented as **Figure 8**. This map shows that free product is present in MW-3, OW-2, OW-3, OW-4 and RW-1. Comparison of the dissolved hydrocarbon concentrations from each well indicates that decreases in overall concentrations on the order of one to two magnitudes has occurred between April and June. **Figure 8** shows a much smaller dissolved contaminant plume associated with the MW-9 area and, more importantly, the drinking water well field areas. We feel that the significant

decrease in contaminant levels in MW-1, MW-6, MW-7, and MW-9 is directly attributable to the active ground water pumping of RW-1 and RW-2.

Quantifiable amounts of contamination remain in MW-6, MW-7, and PW-1. The highest degree of dissolved contamination is associated with the MW-6/PW-1 area. This is expected because of the well's location directly between RW-1 and RW-2. MW-6 and PW-1 will "feel the effects" of ground water depression in RW-1 and RW-2 greater than any of the wells south of Maple Street. Please note that no quantifiable amounts of petroleum contamination were seen at stream locations SP-1 and SP-2.

Further review of data collected since June 4th indicates that the decreasing trend in dissolved contamination has continued to date. The fact that MW-7 no longer contains quantifiable amounts of contamination continues to attest to the fact that the contaminant plume is being adequately contained by RW-1 and RW-2.

It should be noted at this time that a truly "clean" downgradient monitoring well does not currently exist. Due to the presence of significant amounts of MTBE in MW-7 at the beginning of the site investigation, LAG feels that some quantifiable amounts of MTBE may exist or have existed downgradient of MW-7. Without a monitoring well in this area it is difficult to project whether significant amounts of dissolved contamination are present downgradient of the drinking water well field. It is also difficult to determine whether RW-2 has a significant effect on ground water flow in the area downgradient of MW-7.

With regard to the quality of water pumped from RW-1 and RW-2, **Table 4** presents the 1272 Discharge Order sampling results for the treatment systems associated with each recovery well. **Table 4** indicates that RW-1 was initially pumping ground water contaminated with approximately 8,500 ppb total BTEX. With the continued pumping of this well, the overall contaminant level has decreased to an average of approximately 5,000 ppb. Contaminant levels in RW-2 have been in the non-detect to 20 ppb range. This is consistent with the water quality results from MW-7. In general, a substantial decreasing trend in the overall contamination of ground water pumped by the recovery wells has not been seen. However, with the continued operation of these systems, LAG expects the contaminant levels in the wells will decline.

With regard to the preventive measures undertaken at the drinking water well distribution system, a large capacity, high pressure, granular activated carbon filtration and chlorination system was installed on the system during the second week of April. The previously presented ground water contour and chemical ground water quality data clearly indicates that prior to operation of

RW-1 and RW-2 the potential for the pumping and distribution of drinking water contaminated with MTBE and/or BTEX constituents was extremely high. Chemical ground water quality analyses performed by the VDOH, shown on **Table 3**, clearly indicate that small amounts of MTBE were present in the drinking water wells. With this information in mind, LAG, the VDOH, the VDEC, and the Chelsea Water Commission elected to install a temporary granular activated carbon treatment system to prevent contaminants from being distributed to the community. In addition to the carbon treatment system, a chlorination system was installed to alleviate any potential bacteriological contamination of the drinking water due to biofouling of the carbon units.

The carbon filtration system consists of two granular activated carbon units capable of operating at pressures of up to 75 psi. The capacity of each of the units is approximately 588 pounds of granular activated carbon. Calculations performed by LAG estimate that the carbon filtration units will adequately adsorb the MTBE contamination for a considerable number of years before contaminant breakthrough occurs. The automatic chlorine injection system has been calibrated to maintain a 1 ppm concentration of residual chlorine in the water distribution system. Wright Engineering Ltd. is currently reviewing the treatment system design and operation to ensure that the VDOH engineering requirements are being met. At this time, the VDOH has continued to maintain a no water consumption order for the entire town of Chelsea.

Chemical ground water quality sample results from the drinking water wells and the treatment system indicate that no detectable amounts of MTBE or other contaminants have been pumped into the drinking water distribution system since the installation of the carbon filtration system. The most recent set of chemical ground water quality sampling results from monitoring wells coupled with the ground water contour maps generated during recent weeks, indicates that the carbon filtration system on the drinking water supply may no longer be needed. It is inherently obvious that active ground water depression activities in RW-1 and RW-2 contain all contaminated ground water associated with the site. The current pumping rate in RW-2 results in ground water flow away from the drinking water well field. This effectively isolates the well field from pumping any contaminated water associated with the MW-6/PW-1 area of the site.

In general, the gasoline related contamination at the Campbell's Garage site is being contained and remediated in a very efficient manner. The operation of the ground water depression and free product recovery systems is aggressively controlling ground water flow throughout the site. The continued operation of these systems should result in a complete cleanup of the contamination. In closing, I would like to recognize the exceptional efforts on the part of the personnel at the VDEC Sites Management Section and Analytic

Laboratory, the personnel at the VDOH, Northern Petroleum, Wright Engineering Ltd, and especially the people of the Town of Chelsea. The efforts put forth by the entire Chelsea community have been inspiring. The cooperation and dedication of the community has allowed LAG to initiate site cleanup in an exceptionally short period of time. It has been and continues to be our pleasure to work with this community towards the successful cleanup of this site.

IV. CONCLUSIONS

In light of all data collected to date at the Campbell's Garage site in Chelsea, Vermont, the following conclusions are presented.

1. At least 150 gallons of gasoline was released from one or more of the underground petroleum storage tanks at Campbell's Garage over an undetermined period of time.

2. Free phase gasoline exists on the ground water beneath the site in thicknesses of up to 1.5 feet.

3. The subject underground storage tanks and 125 cubic yards of highly contaminated soil have been removed from the subsurface.

4. The First Branch of the White River is located immediately adjacent to the contaminant source areas.

5. The primary drinking water supply for the Town of Chelsea is located 300 feet hydraulically downgradient from the contaminant source area.

6. The drinking water supply's source is the unconsolidated aquifer in which the subject release of gasoline occurred.

7. The soils encountered beneath the site consist of well drained sands and gravels.

8. Ground water flows from the source area south-southwest towards the First Branch of the White River and the Chelsea drinking water well field.

9. Quantifiable amounts of dissolved gasoline associated contamination were present in waters pumped by the drinking water supply.

10. Quantifiable amounts of dissolved gasoline associated contamination have not been evident in the First Branch of the White River.

11. Installation and operation of two ground water depression/treatment systems has resulted in the modification of ground water and contaminant flow beneath the site which enables effective containment and recovery of all contamination associated with the subject release.

12. Operation of the two ground water depression/treatment systems has resulted in significant decreases in the overall extent and degree of dissolved gasoline contamination. However, a truly "clean" downgradient ground water monitoring well does not exist.

13. Installation and operation of a granular activated carbon treatment system on the drinking water supply has prevented the distribution and consumption of gasoline contaminated drinking water.

14. Free phase product recovery efforts have yielded approximately 60 gallons of gasoline.

15. Free phase product recovery can be enhanced with increased ground water depression in RW-1. The current treatment system is unable to properly treat water flow at rates greater than the present flow rate.

V. RECOMMENDATIONS

Based on the findings to date and the presented conclusions, the following recommendations are set forth for review.

1. Continue the current level of ground water elevation, PID, and chemical ground water quality data collection.

2. Continue operation and maintenance of the ground water depression/treatment systems associated with RW-1 and RW-2.

3. Continue active free phase product recovery in RW-1.

4. Continue operation and maintenance of the Chelsea drinking water treatment system until deemed unnecessary by the Vermont Department of Health.

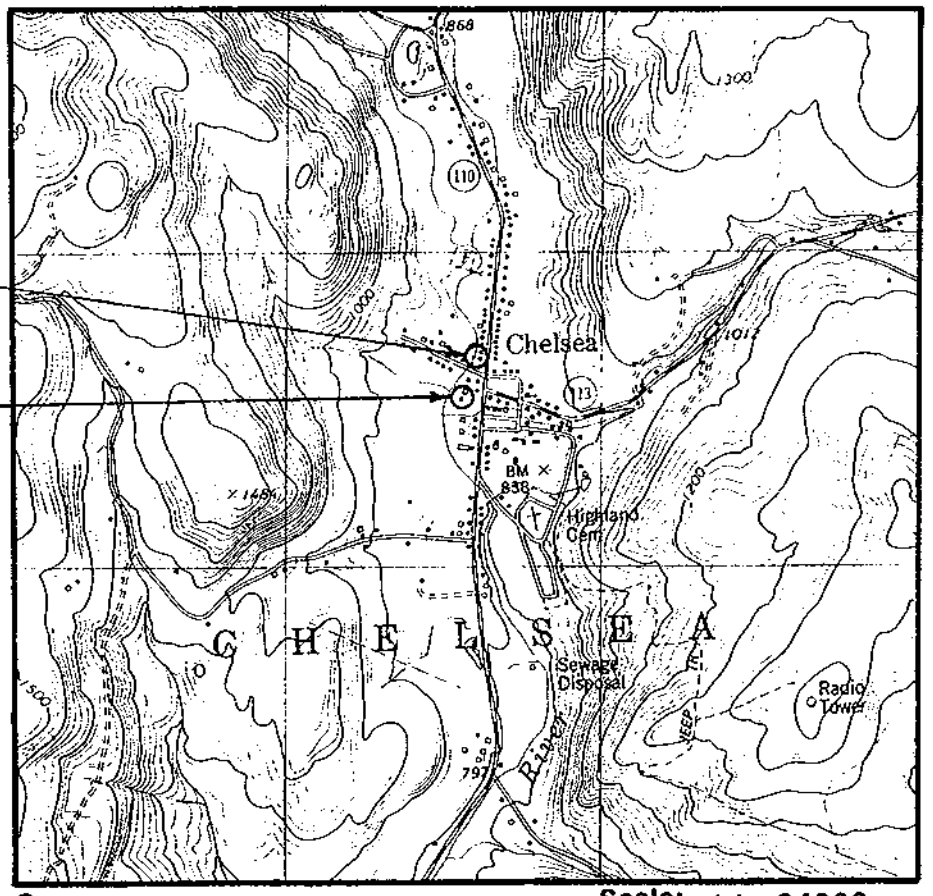
5. Continue activities related to accurately determining the optimum ground water pumping rate and treatment methodology for RW-1.

6. Locate and properly install a drilled chemical ground water sampling quality monitoring well forty to fifty feet south of MW-7 and the drinking water well field.

VI. REFERENCES

Doll, C.G., Surficial Geologic Map of Vermont, 1970
Doll, C.G., Centennial Geologic Map of Vermont, 1961

GENERAL LOCATION MAP



Source:
U.S.G.S. 7.5' Topo. Series
Chelsea Quad

Scale: 1 to 24000

Figure 1

Table 1

Project: Campbell's Garage
Location: Chelsea, Vermont

Job # 9051
Sheet # 1 of 3

Ground Water Elevation/Product Thickness Data (feet)

Data Point	TOC	4-8-91	4-15-91	4-22-91	4-26-91	4-29-91	5-3-91	5-6-91	5-13-91
MW-1	97.30	91.53	91.47	91.84	90.10	90.17	90.31	90.07	90.03
MW-2	97.61	91.32	91.19	91.75	90.90	90.36	90.46	90.28	90.11
MW-3	102.38	91.66 0.18	91.18 0.35	91.95 0.24	90.68 0.35	IN	90.69 0.24	90.43 0.33	90.33 0.32
MW-4	101.92	94.59	94.47	IN	94.47	94.40	94.52	94.40	94.36
MW-5	101.79	94.98	94.96	95.23	94.99	94.89	94.99	94.87	94.77
MW-6	96.53	---	91.11	91.81	90.70	90.32	90.33	90.16	89.99
MW-7	97.51	---	90.76	91.29	90.26	90.26	90.31	90.09	90.07
MW-8	100.26	---	91.21	92.04	---	90.57	90.79	90.57	91.51
MW-9	98.50	---	91.33	91.87	90.51	90.40	90.54	90.34	90.20
PW-1	96.53	---	90.03	91.74	90.66	90.26	90.33	90.11	89.99
OW-1	101.97	92.10	91.97	92.40	91.67	91.47	91.61	91.37	91.20
OW-2	105.70	93.69 0.18	93.65 0.05	94.14 0.01	93.70 0.03	93.42	93.45 0.04	93.30 0.04	93.15 0.10
OW-3	100.08	---	---	---	90.88 0.05	90.38 0.25	90.54 0.22	90.28 0.34	89.41 0.24
OW-4	100.41	---	---	---	90.01 0.30	90.02 0.22	91.20 0.21	89.95 0.26	90.56 0.23
RW-1	97.43	---	---	---	89.18	89.63	89.87	89.53	88.87
RW-2	94.97	---	---	---	88.43	89.53	88.39	88.62	86.60
DW-1	99.77	91.34	93.35	91.76	90.69	90.42	90.51	90.42	90.19
DW-2	98.70	91.17	90.87	91.72	90.53	90.39	90.49	90.24	90.16
DW-3	98.93	90.64	89.72	90.83	89.26	89.89	88.61	89.11	88.45
DW-4	98.52	90.19	91.02	91.76	90.69	90.48	89.43	90.35	90.21
Stream 1	100.00	91.54	---	91.90	92.33	91.00	90.87	92.25	92.06
Stream 2	98.38	91.05	---	91.30	89.63	90.67	90.73	89.46	89.17

Notes:
1) Elevation Datum Assumed
2) Reference Elevation is elevation of top of PVC well casing
IN - Inaccessible

Table 1

Project: Campbell's Garage
Location: Chelsea, Vermont

Job # 9051
Sheet # 2 of 3

Ground Water Elevation/Product Thickness Data (feet)

Data Point	TOC	5-20-91	5-29-91	5-31-91	6-4-91	6-10-91	6-17-91	6-24-91
MW-1	97.30	90.06	92.06	90.22	89.80	90.04	90.05	89.80
MW-2	97.61	90.12	92.33	91.40	90.03	89.86	90.36	89.52
MW-3	102.38	90.33 0.28	90.33 0.30	90.43 0.25	90.28 0.28	90.28 0.28	90.33 0.25	90.38
MW-4	101.92	94.26	94.22	94.21	94.12	94.01	94.34	93.92
MW-5	101.79	94.62	94.63	94.67	94.59	94.46	94.96	94.87
MW-6	96.53	90.07	91.38	90.21	89.78	89.98	89.98	89.73
MW-7	97.51	89.84	92.21	91.11	89.84	89.76	90.09	88.92
MW-8	100.26	90.39	90.61	91.78	90.59	90.26	90.84	90.09
MW-9	98.50	90.23	90.30	90.37	90.00	90.13	90.20	89.95
PW-1	96.53	89.97	91.36	90.16	89.95	89.78	90.45	90.11
OW-1	101.97	91.02	90.87	91.10	90.77	90.55	91.55	90.38
OW-2	105.70	92.92 0.14	92.80 0.20	92.90 0.18	92.75 0.23	92.60 0.24	92.70 0.20	92.45 0.25
OW-3	100.08	90.25 0.23	89.60 0.30	90.35 0.17	89.95 0.23	89.55 0.15	89.90 0.15	89.55 0.25
OW-4	100.41	90.03 0.11	90.71 0.25	90.24 0.04	89.61 0.35	90.01 0.20	90.01 0.15	89.46 0.60
RW-1	97.43	89.55 0.18	89.53 0.40	89.23 0.82	88.73 1.00	89.08 0.94	88.43 1.50	89.73 0.02
RW-2	94.97	86.26	89.84	87.34	88.30	87.43	88.22	87.55
DW-1	99.77	90.06	90.35	90.23	90.02	89.94	90.60	89.44
DW-2	98.70	90.12	93.38	90.22	90.03	89.70	90.53	88.70
DW-3	98.93	88.29	88.93	90.12	88.10	87.68	88.10	89.51
DW-4	98.52	90.16	88.80	90.29	89.77	89.94	90.02	88.18
Stream 1	100.00	90.60	90.30	90.69	90.17	90.17	90.42	90.08
Stream 2	98.38	90.38	90.28	90.51	90.30	90.13	90.38	90.13

Notes:
1) Elevation Datum Assumed
2) Reference Elevation is elevation of top of PVC well casing
IN - Inaccessible

Table 1

Project: Campbell's Garage
Location: Chelsea, Vermont

Job # 9051
Sheet # 3 of 3

Ground Water Elevation/Product Thickness Data (feet)

Data Point	TOC	7-1-91	7-10-91					
MW-1	97.30	89.70	89.85					
MW-2	97.61	89.61	90.36					
MW-3	102.38	Dry @ 90.28	90.33					
MW-4	101.92	93.75	93.92					
MW-5	101.79	94.46	94.37					
MW-6	96.53	89.63	89.83					
MW-7	97.51	89.76	90.09					
MW-8	100.26	90.01	91.09					
MW-9	98.50	89.86	90.00					
PW-1	96.53	89.53	90.36					
OW-1	101.97	90.39	91.22					
OW-2	105.70	92.36 0.22	92.50 0.20					
OW-3	100.08	89.60 0.20	89.70 0.30					
OW-4	100.41	89.31 0.60	89.86 0.05					
RW-1	97.43	88.78 0.80	88.63					
RW-2	94.97	85.80	86.97					
DW-1	99.77	89.77	90.27					
DW-2	98.70	88.03	90.28					
DW-3	98.93	89.76	88.35					
DW-4	98.52	87.85	90.10					
Stream 1	100.00	89.75	90.00					
Stream 2	98.38	90.05	90.13					

Notes:
1) Elevation Datum Assumed
2) Reference Elevation is elevation of top of PVC well casing
IN - Inaccessible

Table 2

Project: Campbell's Garage
Location: Chelsea, Vermont

Job # 9051
Sheet # 1 of 2

HNU Photoionization Readings (PID) (ppm)

Data Point	4-8-91	4-15-91	4-26-91	4-29-91	5-3-91	5-6-91	5-13-91	5-20-91	5-29-91	5-31-91
MW-1	0.6	3.2	BG	0.8	1.0	0.2	1.4	1.2	0.2	2.4
MW-2	1.5	0.4	BG	BG	1.0	0.2	BG	BG	BG	BG
MW-3	4.4	30	SL	IN	80	130	100	165	60	176
MW-4	42	65	17.2	6.2	1.0	3.6	2.0	0.6	4.0	1.0
MW-5	2.0	0.6	1.4	1.8	0.4	1.0	1.0	1.2	0.6	2.8
MW-6	---	6.6	0.2	0.4	0.6	0.6	BG	0.3	0.2	0.4
MW-7	---	BG	BG	BG	BG	BG	BG	BG	0.2	BG
MW-8	---	BG	---	BG	BG	BG	BG	BG	BG	BG
MW-9	---	66	0.2	SL	28	60	2.0	60	0.6	SL
PW-1	---	10.4	4.0	4.0	2.6	3.2	1.4	1.6	0.4	3.2
OW-1	BG	0.4	BG	BG	0.2	0.2	BG	0.5	BG	BG
OW-2	100	SL	50	70	SL	SL	70	58	50	84
OW-3	---	---	25	SL	56	100	SL	SL	50	SL
OW-4	---	---	1.0	40	7.6	SL	SL	6.6	100	16.2
RW-1	---	---	3.0	---	1.6	10.0	0.4	76	50	---
RW-2	---	---	12.2	---	5.0	1.0	4.3	1.8	BG	0.4
DW-1	0.6	0.4	BG	BG	BG	BG	BG	BG	BG	BG
DW-2	0.4	BG	BG	BG	BG	BG	BG	BG	BG	BG
DW-3	BG	BG	BG	BG	BG	BG	BG	BG	BG	BG
DW-4	BG	BG	BG	BG	BG	BG	BG	BG	BG	BG
SP-1	---	---	---	---	---	---	---	---	---	---
SP-2	---	---	---	---	---	---	---	---	---	---

Notes:
BG - Background
SL - Saturated Lamp
IN - Inaccesible

Table 2

Project: Campbell's Garage
Location: Chelsea, Vermont

Job # 9051
Sheet # 2 of 2

HNU Photoionization Readings (PID) (ppm)

Data Point	6-4-91	6-10-91	6-17-91	6-24-91	7-1-91					
MW-1	1.0	32	100	70	50					
MW-2	BG	BG	BG	BG	BG					
MW-3	70	100	64	40	20.0					
MW-4	2.6	0.2	0.6	5.0	BG					
MW-5	2.6	1.0	0.6	0.2	BG					
MW-6	1.2	BG	0.4	BG	BG					
MW-7	BG	BG	BG	BG	BG					
MW-8	2.2	BG	BG	BG	BG					
MW-9	126	100	70	20	20.0					
PW-1	1.2	0.4	0.6	0.2	BG					
OW-1	0.2	BG	0.2	0.2	BG					
OW-2	SL	60	110	70	40					
OW-3	SL	1.0	150	80	76					
OW-4	20.0	SL	1.0	0.4	12.4					
RW-1	SL	170	130	140	60					
RW-2	BG	BG	0.2	BG	BG					
DW-1	BG	BG	BG	BG	BG					
DW-2	BG	BG	BG	BG	BG					
DW-3	BG	BG	BG	BG	BG					
DW-4	BG	BG	BG	BG	BG					
SP-1										
SP-2										

Notes: BG - Background
SL - Saturated Lamp

Campbell's Garage

Table 3

Chemical Water Quality Results (ppb)

Well #	3-28-91 [1]	3-28-91 [2]	4-3-91 [1]	4-9-91 [1]	4-9-91 [2]	4-13-91 [1]
DW-1	ND / ND	ND / ND	ND / ND	— / —	— / —	— / —
DW-2	— / —	ND / ND	ND / ND	ND / ND	1.2 / 1.2	ND / ND
DW-3	— / —	ND / ND	— / —	2.09 / 2.09	1.9 / 1.9	ND / ND
DW-4	— / —	ND / ND	— / —	ND / ND	ND / ND	ND / ND
Drinking Water Treatment System - Influent	— / —	— / —	— / —	— / —	— / —	ND / ND
Drinking Water Treatment System - Between Carbon Units	— / —	— / —	— / —	— / —	— / —	ND / ND
Drinking Water Treatment System - Effluent	— / —	— / —	— / —	— / —	— / —	ND / ND
MW-1	— / —	— / —	889 [4] / 8,987	— / —	— / —	— / —
MW-2	— / —	— / —	ND / ND	ND / ND	— / —	— / —
MW-3	— / —	— / —	FP / FP	— / —	— / —	— / —
MW-4	— / —	— / —	ND / ND	— / —	— / —	— / —
MW-5	— / —	— / —	ND / TBQ	— / —	— / —	— / —
MW-6	— / —	— / —	— / —	— / —	— / —	— / —
MW-7	— / —	— / —	— / —	— / —	— / —	— / —
MW-8	— / —	— / —	— / —	— / —	— / —	— / —
MW-9	— / —	— / —	— / —	— / —	— / —	— / —
PW-1	— / —	— / —	— / —	— / —	— / —	— / —
OW-1	— / —	— / —	ND / ND	— / —	— / —	— / —
OW-2	— / —	— / —	3,030 / 84,260	— / —	— / —	— / —
OW-3	— / —	— / —	— / —	— / —	— / —	— / —
OW-4	— / —	— / —	— / —	— / —	— / —	— / —
SP-1	— / —	— / —	ND / ND	— / —	— / —	— / —
SP-2	— / —	— / —	ND / ND	— / —	— / —	— / —
Campbell's Garage	— / —	ND / ND	— / —	— / —	ND / ND	— / —
Pantry Pleasers	— / —	ND / ND	— / —	— / —	ND / ND	— / —
Town Clerk	— / —	— / —	— / —	— / —	— / —	— / —

Notes:

MTBE / Total BTEX/MTBE

--- No Sample Taken

FP - Free Product

ND - None Detected

TBQ - Trace Below Quantifiable Limits

1 - Analyzed by Endyne

2 - Analyzed by Dept. of Health

3 - Analyzed by Dept. of Environmental Conservation

4 - Average of Duplicate Samples

Campbell's Garage

Table 3

Chemical Water Quality Results (ppb)

Well #	4-15-91 [1]	4-15-91 [2]	4-17-91 [2]	4-22-91 [3]	4-22-91 [2]	4-24-91 [2]
DW-1	ND / ND	— / —	— / —	— / —	— / —	— / —
DW-2	ND / ND	0.6 / 0.6	1.4 / 1.4	ND / ND	ND / ND	ND / ND
DW-3	ND / ND	1.0 / 1.0	1.5 / 1.5	ND / ND	ND / ND	ND / ND
DW-4	ND / ND	0.7 / 0.7	1.4 / 1.4	ND / ND	ND / ND	ND / ND
Drinking Water Treatment System - Influent	ND / ND	0.9 / 0.9	— / —	— / —	ND / ND	ND / ND
Drinking Water Treatment System - Between Carbon Units	ND / ND	— / —	— / —	— / —	— / —	— / —
Drinking Water Treatment System - Effluent	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND
MW-1	870 / 10,362	— / —	— / —	— / —	— / —	— / —
MW-2	ND / ND	ND / ND	— / —	ND / ND	ND / ND	ND / ND
MW-3	45,500 FP / 139,820	— / —	— / —	— / —	— / —	— / —
MW-4	ND / ND	— / —	— / —	— / —	— / —	— / —
MW-5	ND / ND	— / —	— / —	— / —	— / —	— / —
MW-6	267 4 / 4,046	— / —	— / —	— / —	— / —	— / —
MW-7	153 / 153	— / —	— / —	160 / 160	— / —	— / —
MW-8	ND / ND	— / —	— / —	— / —	— / —	— / —
MW-9	1,760 / 9,996	— / —	— / —	— / —	— / —	— / —
PW-1	ND / 1,643	— / —	— / —	— / —	— / —	— / —
OW-1	ND / ND	— / —	— / —	— / —	— / —	— / —
OW-2	2,970 FP / 112,570	— / —	— / —	— / —	— / —	— / —
OW-3	— / FP	— / —	— / —	— / —	— / —	— / —
OW-4	— / FP	— / —	— / —	— / —	— / —	— / —
SP-1	ND / ND	— / —	— / —	— / —	— / —	— / —
SP-2	ND / ND	— / —	— / —	— / —	— / —	— / —
Campbell's Garage	— / —	ND / ND	ND / ND	— / —	ND / ND	ND / ND
Pantry Pleasers	— / —	— / —	— / —	— / —	— / —	— / —
Town Clerk	— / —	ND / ND	ND / ND	— / —	ND / ND	ND / ND

Notes:

MTBE / Total BTEX/MTBE

— No Sample Taken

FP - Free Product

ND - None Detected

TBQ - Trace Below Quantifiable Limits

1 - Analyzed by Endyne

2 - Analyzed by Dept. of Health

3 - Analyzed by Dept. of Environmental Conservation

4 - Average of Duplicate Samples

Campbell's Garage

Table 3

Chemical Water Quality Results (ppb)

Well #	4-26-91 [2]	4-29-91 [3]	4-29-91 [2]	5-1-91 [2]	5-3-91 [2]	5-5-91 [2]
DW-1	— / —	— / —	— / —	— / —	— / —	— / —
DW-2	1.9 / 1.9	— / —	2.1 / 2.1	2.1 / 2.1	1.4 / 1.4	1.5 / 1.5
DW-3	1.5 / 1.5	ND / ND	ND / ND	2.8 / 2.8	2.3 / 2.3	1.9 / 1.9
DW-4	2.4 / 2.4	— / —	ND / ND	1.8 / 1.8	2.0 / 2.0	1.5 / 1.5
Drinking Water Treatment System - Influent	2.2 / 2.2	— / —	2.6 / 2.6	2.6 / 2.6	1.9 / 1.9	1.9 / 1.9
Drinking Water Treatment System - Between Carbon Units	— / —	— / —	— / —	— / —	— / —	— / —
Drinking Water Treatment System - Effluent	ND / ND	ND / ND	— / —	ND / ND	ND / ND	ND / ND
MW-1	— / —	— / —	— / —	— / —	— / —	— / —
MW-2	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND
MW-3	— / —	— / —	— / —	— / —	— / —	— / —
MW-4	— / —	— / —	— / —	— / —	— / —	— / —
MW-5	— / —	— / —	— / —	— / —	— / —	— / —
MW-6	— / —	— / —	— / —	— / —	— / —	— / —
MW-7	— / —	94 / 94	215 / 215	— / —	— / —	— / —
MW-8	— / —	— / —	— / —	— / —	— / —	— / —
MW-9	— / —	— / —	— / —	— / —	— / —	— / —
PW-1	— / —	— / —	— / —	— / —	— / —	— / —
OW-1	— / —	— / —	— / —	— / —	— / —	— / —
OW-2	— / —	— / —	— / —	— / —	— / —	— / —
OW-3	— / —	— / —	— / —	— / —	— / —	— / —
OW-4	— / —	— / —	— / —	— / —	— / —	— / —
SP-1	— / —	— / —	— / —	— / —	— / —	— / —
SP-2	— / —	— / —	— / —	— / —	— / —	— / —
Campbell's Garage	ND / ND	— / —	ND / ND	ND / ND	— / —	— / —
Pantry Pleasers	— / —	— / —	— / —	— / —	— / —	— / —
Town Clerk	ND / ND	— / —	— / —	ND / ND	ND / ND	— / —

Notes:

— No Sample Taken	1 - Analyzed by Endyne	
MTBE / Total BTEX/MTBE	FP - Free Product	2 - Analyzed by Dept. of Health
	ND - None Detected	3 - Analyzed by Dept. of Environmental Conservation
	TBQ - Trace Below Quantifiable Limits	4 - Average of Duplicate Samples

Campbell's Garage

Table 3

Chemical Water Quality Results (ppb)

Well #	5-6-91 [3]	5-8-91 [2]	5-13-91 [3]	5-15-91 [2]	5-20-91 [3]	5-23-91 [2]
DW-1	— / —	— / —	— / —	— / —	— / —	— / —
DW-2	— / —	1.6 / 1.6	— / —	1.2 / 1.2	— / —	1.6 / 1.6
DW-3	— / —	2.2 / 2.2	ND / ND	1.8 / 1.8	ND / ND	2.1 / 2.1
DW-4	TBQ / TBQ	1.9 / 1.9	— / —	ND / ND	— / —	0.9 / 0.9
Drinking Water Treatment System - Influent	— / —	— / —	— / —	1.7 / 1.7	— / —	1.7 / 1.7
Drinking Water Treatment System - Between Carbon Units	— / —	— / —	— / —	— / —	— / —	— / —
Drinking Water Treatment System - Effluent	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND
MW-1	— / —	— / —		— / —		— / —
MW-2	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND	— / —
MW-3	— / —	— / —	— / —	— / —	— / —	— / —
MW-4	— / —	— / —	— / —	— / —	— / —	— / —
MW-5	— / —	— / —	— / —	— / —	— / —	— / —
MW-6	— / —	— / —	— / —	— / —	— / —	— / —
MW-7	132 / 132	— / —	52 / 52	— / —	30 / 30	— / —
MW-8	— / —	— / —	— / —	— / —	— / —	— / —
MW-9	— / —	— / —	— / —	— / —	— / —	— / —
PW-1	— / —	— / —	— / —	— / —	— / —	— / —
OW-1	— / —	— / —	— / —	— / —	— / —	— / —
OW-2	— / —	— / —	— / —	— / —	— / —	— / —
OW-3	— / —	— / —	— / —	— / —	— / —	— / —
OW-4	— / —	— / —	— / —	— / —	— / —	— / —
SP-1	— / —	— / —	— / —	— / —	— / —	— / —
SP-2	— / —	— / —	— / —	— / —	— / —	— / —
Campbell's Garage	— / —	— / —	— / —	— / —	— / —	— / —
Pantry Pleasers	— / —	— / —	— / —	— / —	— / —	— / —
Town Clerk	— / —	— / —	— / —	— / —	— / —	— / —

Notes:

MTBE / Total BTEX/MTBE

— No Sample Taken

FP - Free Product

ND - None Detected

TBQ - Trace Below Quantifiable Limits

1 - Analyzed by Endyne

2 - Analyzed by Dept. of Health

3 - Analyzed by Dept. of Environmental Conservation

4 - Average of Duplicate Samples

Campbell's Garage

Table 3

Chemical Water Quality Results (ppb)

Well #	5-29-91	6-3-91 [3]	6-4-91 [1]	6-6-91 [2]	6-11-91 [3]	6-14-91 [2]
DW-1	— / —	— / —	ND / ND	— / —	— / —	— / —
DW-2	1.7 / 1.7	— / —	TBQ / TBQ	1.5 / 1.5	ND / ND	ND / ND
DW-3	2.1 / 2.1	ND / ND	TBQ / TBQ	1.4 / 1.4	— / —	1.5 / 1.5
DW-4	0.5 / 0.5	— / —	ND / ND	1.8 / 1.8	— / —	ND / ND
Drinking Water Treatment System - Influent	2.0 / 2.0	— / —	ND / ND	1.9 / 1.9	— / —	ND / ND
Drinking Water Treatment System - Between Carbon Units	— / —	— / —	ND / ND	— / —	— / —	— / —
Drinking Water Treatment System - Effluent	ND / ND	— / —	ND / ND	ND / ND	ND / ND	ND / ND
MW-1	— / —	— / —	TBQ / TBQ	— / —	— / —	— / —
MW-2	— / —	— / —	ND / ND	— / —	ND / ND	— / —
MW-3	— / —	— / —	— / FP	— / —	— / —	— / —
MW-4	— / —	— / —	ND / ND	— / —	— / —	— / —
MW-5	— / —	— / —	ND / ND	— / —	— / —	— / —
MW-6	— / —	— / —	8.32 / 8.32	— / —	— / —	— / —
MW-7	— / —	— / —	15.7 / 15.7	— / —	17 / 17	— / —
MW-8	— / —	— / —	ND / ND	— / —	— / —	— / —
MW-9	— / —	— / —	47 / 93	— / —	— / —	— / —
PW-1	— / —	— / —	113 / 113	— / —	— / —	— / —
OW-1	— / —	— / —	ND / ND	— / —	— / —	— / —
OW-2	— / —	— / —	— / FP	— / —	— / —	— / —
OW-3	— / —	— / —	— / FP	— / —	— / —	— / —
OW-4	— / —	— / —	— / FP	— / —	— / —	— / —
SP-1	— / —	— / —	ND / ND	— / —	— / —	— / —
SP-2	— / —	— / —	ND / ND	— / —	— / —	— / —
Campbell's Garage	— / —	— / —	— / —	— / —	— / —	— / —
Pantry Pleasers	— / —	— / —	— / —	— / —	— / —	— / —
Town Clerk	— / —	— / —	— / —	— / —	— / —	— / —

Notes:

MTBE / Total BTEX/MTBE

--- No Sample Taken

FP - Free Product

ND - None Detected

TBQ - Trace Below Quantifiable Limits

1 - Analyzed by Endyne

2 - Analyzed by Dept. of Health

3 - Analyzed by Dept. of Environmental Conservation

4 - Average of Duplicate Samples

Campbell's Garage

Table 3

Chemical Water Quality Results (ppb)

Well #	6-17-91 [3]					
DW-1	— / —	— / —				
DW-2	ND / ND	— / —				
DW-3	— / —	— / —				
DW-4	— / —	— / —				
Drinking Water Treatment System - Influent	— / —	— / —				
Drinking Water Treatment System - Between Carbon Units	— / —	— / —				
Drinking Water Treatment System - Effluent	ND / ND	— / —				
MW-1	— / —	— / —				
MW-2	ND / ND	— / —				
MW-3	— / —	— / —				
MW-4	— / —	— / —				
MW-5	— / —	— / —				
MW-6	— / —	— / —				
MW-7	≈ 6 / ~ 6	— / —				
MW-8	— / —	— / —				
MW-9	— / —	— / —				
PW-1	— / —	— / —				
OW-1	— / —	— / —				
OW-2	— / —	— / —				
OW-3	— / —	— / —				
OW-4	— / —	— / —				
SP-1	— / —	— / —				
SP-2	— / —	— / —				
Campbell's Garage	— / —	— / —				
Pantry Pleasers	— / —	— / —				
Town Clerk	— / —	— / —				

Notes:

MTBE / Total BTEX/MTBE

— No Sample Taken

FP - Free Product

ND - None Detected

TBQ - Trace Below Quantifiable Limits

1 - Analyzed by Endyne

2 - Analyzed by Dept. of Health

3 - Analyzed by Dept. of Environmental Conservation

4 - Average of Duplicate Samples

Table 4

Campbell's Garage
Ground Water Treatment Systems Sampling Results
Total BTEX / Benzene

Recovery Well 1	4-25-91	5-3-91	5-6-91	5-13-91	5-20-91	5-29-91
Overall Influent	2,680 / 8,549	1,200 / 3,467	1,230 / 3,572	1,060 / 3,976	2,130 / 5,650	1,840 / 5,730
Average Between Carbon Units	ND / ND	ND / ND	ND / ND	205 / 237	359 / 433	516 / 656
Overall Effluent	ND / ND	ND / ND	ND / ND	TBQ / TBQ	ND / ND	1.3 / 1.3
Recovery Well 2						
Overall Influent	ND / ND	7.88 / 68	TBQ / TBQ	5.18 / 29	ND / ND	ND / ND
Average Between Carbon Units	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND
Overall Effluent	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND	ND / ND

Notes:
ND - None Detected
TBQ - Trace Below Quantifiable Limit

Benzene / Total BTEX

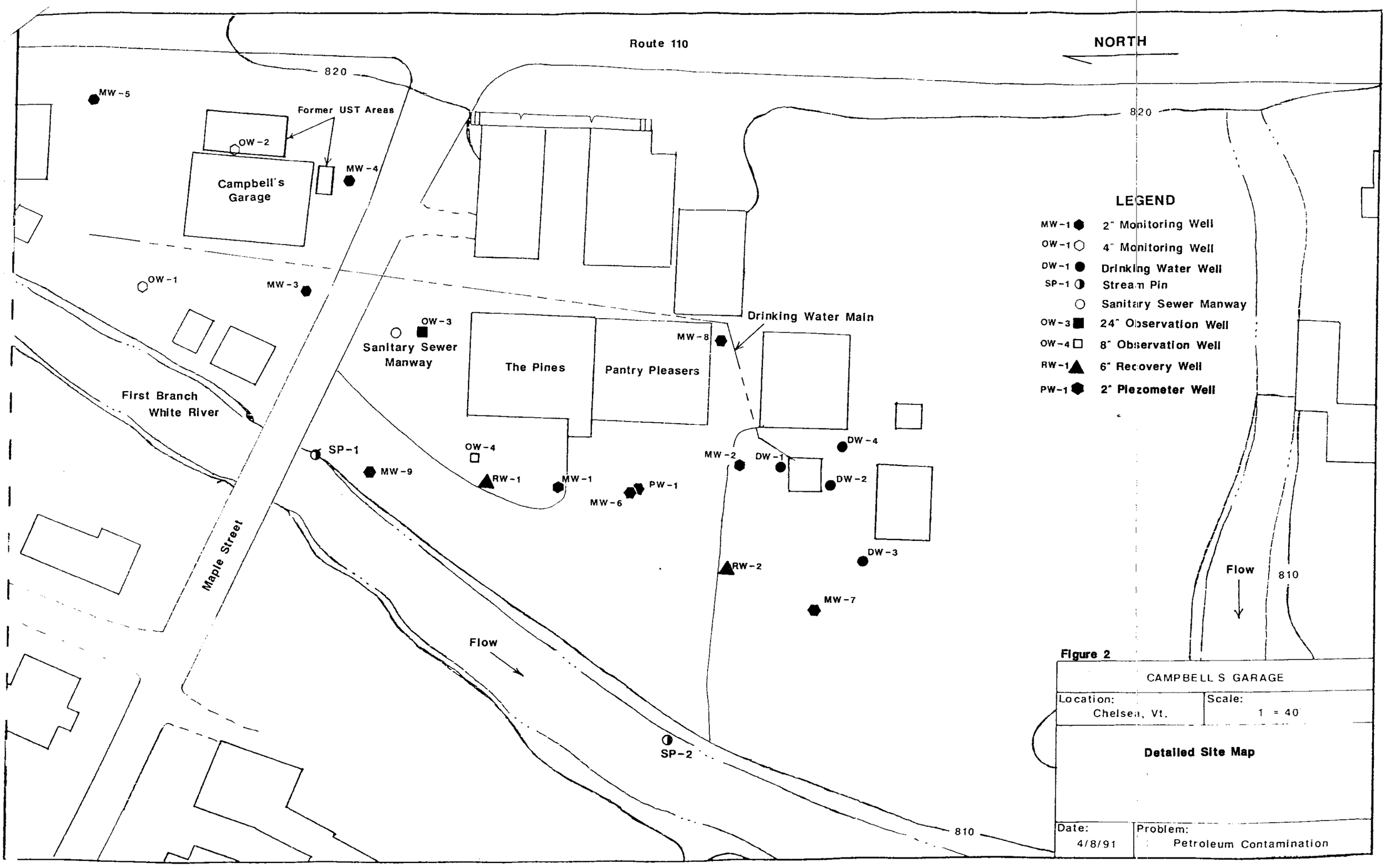
Table 4

Campbell's Garage
Ground Water Treatment Systems Sampling Results
Benzene / Total BTEX

Recovery Well 1	6-4-91	6-10-91	6-17-91	6-24-91		
Overall Influent	1,620 / 5,294	1,860 / 5,450	2,110 / 6,668	1,500 / 4,569		
Average Between Carbon Units	597 / 849	429 / 628	2.94 / 4.11	ND / ND		
Overall Effluent	ND / ND	ND / ND	ND / ND	ND / ND		
Recovery Well 2						
Overall Influent	ND / ND	ND / ND	ND / ND	ND / ND		
Average Between Carbon Units	1.5 / 1.09	ND / ND	5.28 / 19.27	ND / 1.76		
Overall Effluent	ND / ND	ND / ND	ND / ND	ND / ND		

Notes:
ND - None Detected
TBQ - Trace Below Quantifiable Limit

Benzene / Total BTEX


Route 110
NORTH
820
820
810
810
MW-5
Former UST Areas
OW-2
MW-4
Campbell's Garage
OW-1
MW-3
OW-3
Sanitary Sewer Manway
The Pines
Pantry Pleasers
Drinking Water Main
MW-8
First Branch White River
SP-1
MW-9
OW-4
RW-1
MW-1
MW-6
PW-1
MW-2
DW-1
DW-4
DW-2
DW-3
RW-2
MW-7
Maple Street
Flow
SP-2
Flow
LEGEND
MW-1 2" Monitoring Well
OW-1 4" Monitoring Well
DW-1 Drinking Water Well
SP-1 Stream Pin
Sanitary Sewer Manway
OW-3 24" Observation Well
OW-4 8" Observation Well
RW-1 6" Recovery Well
PW-1 2" Piezometer Well
Figure 2
CAMPBELL S GARAGE
Location: Chelsea, Vt.
Scale: 1 = 40
Detailed Site Map
Date: 4/8/91
Problem: Petroleum Contamination

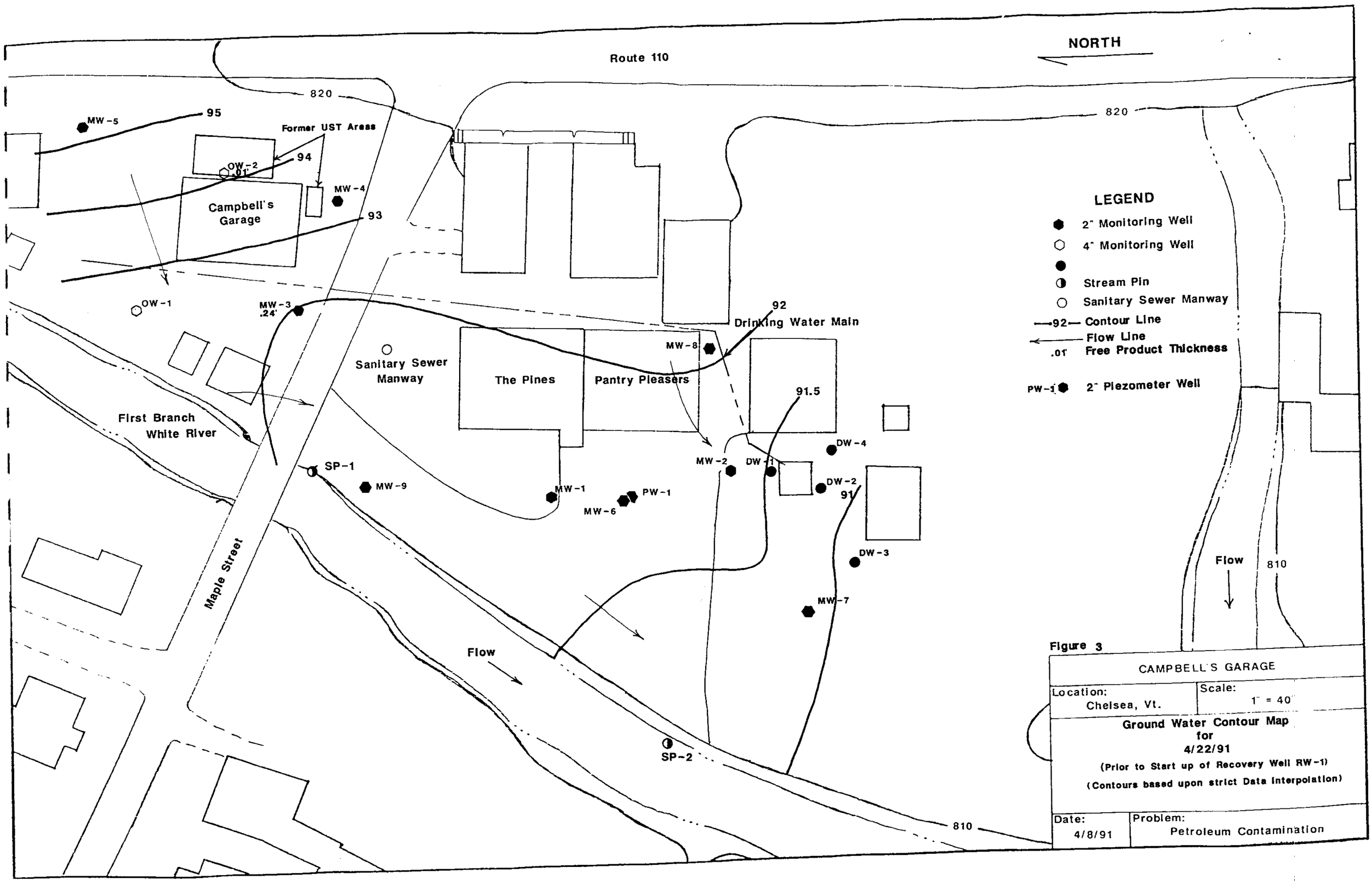


Figure 3

CAMPBELL'S GARAGE	
Location: Chelsea, Vt.	Scale: 1" = 40'
Ground Water Contour Map for 4/22/91 (Prior to Start up of Recovery Well RW-1) (Contours based upon strict Data Interpolation)	
Date: 4/8/91	Problem: Petroleum Contamination

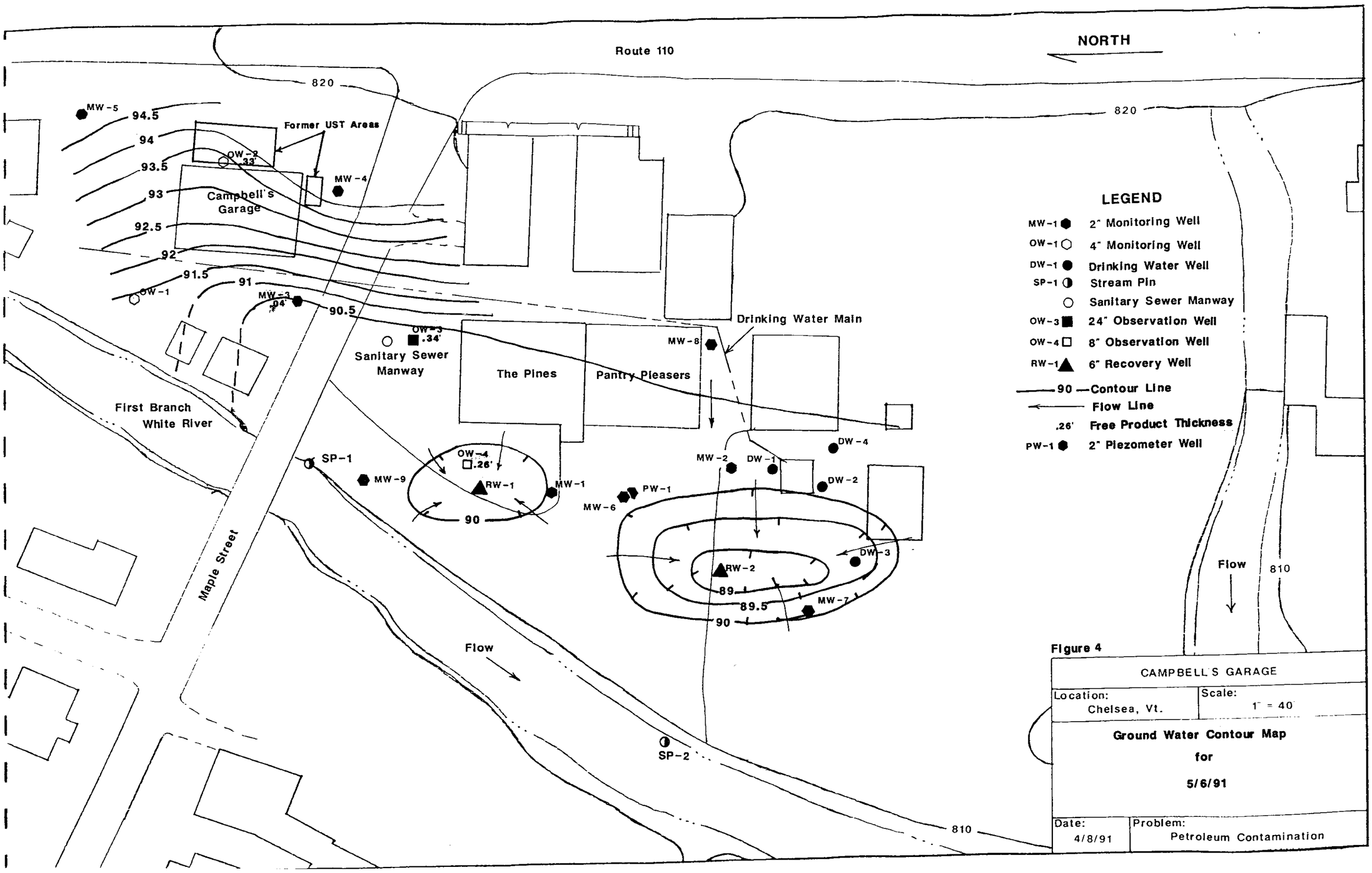


Figure 4

CAMPBELL'S GARAGE	
Location: Chelsea, Vt.	Scale: 1" = 40'
Ground Water Contour Map for 5/6/91	
Date: 4/8/91	Problem: Petroleum Contamination

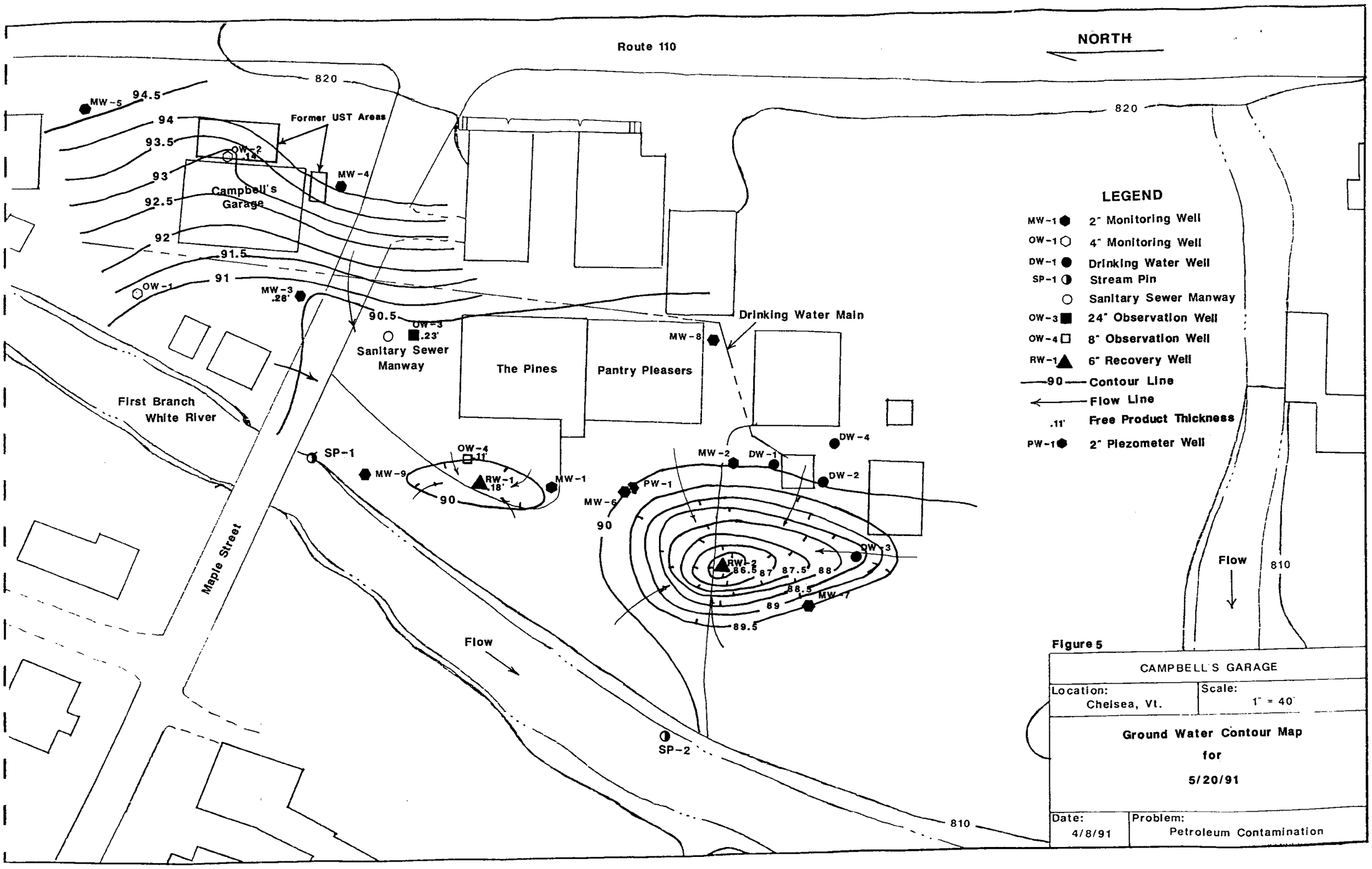


Figure 5

CAMPBELL'S GARAGE	
Location: Chelsea, Vt.	Scale: 1" = 40'
Ground Water Contour Map for 5/20/91	
Date: 4/8/91	Problem: Petroleum Contamination

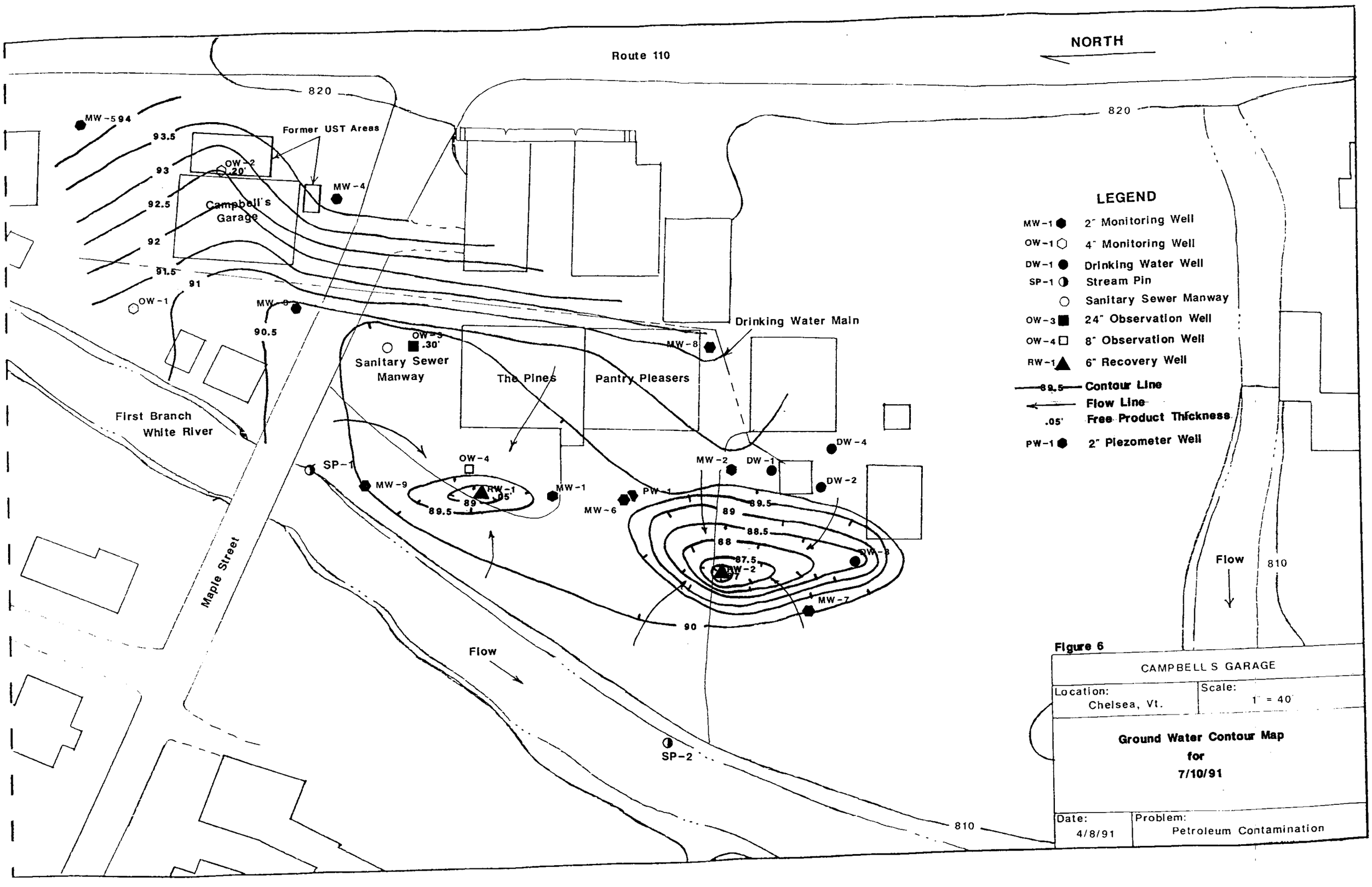
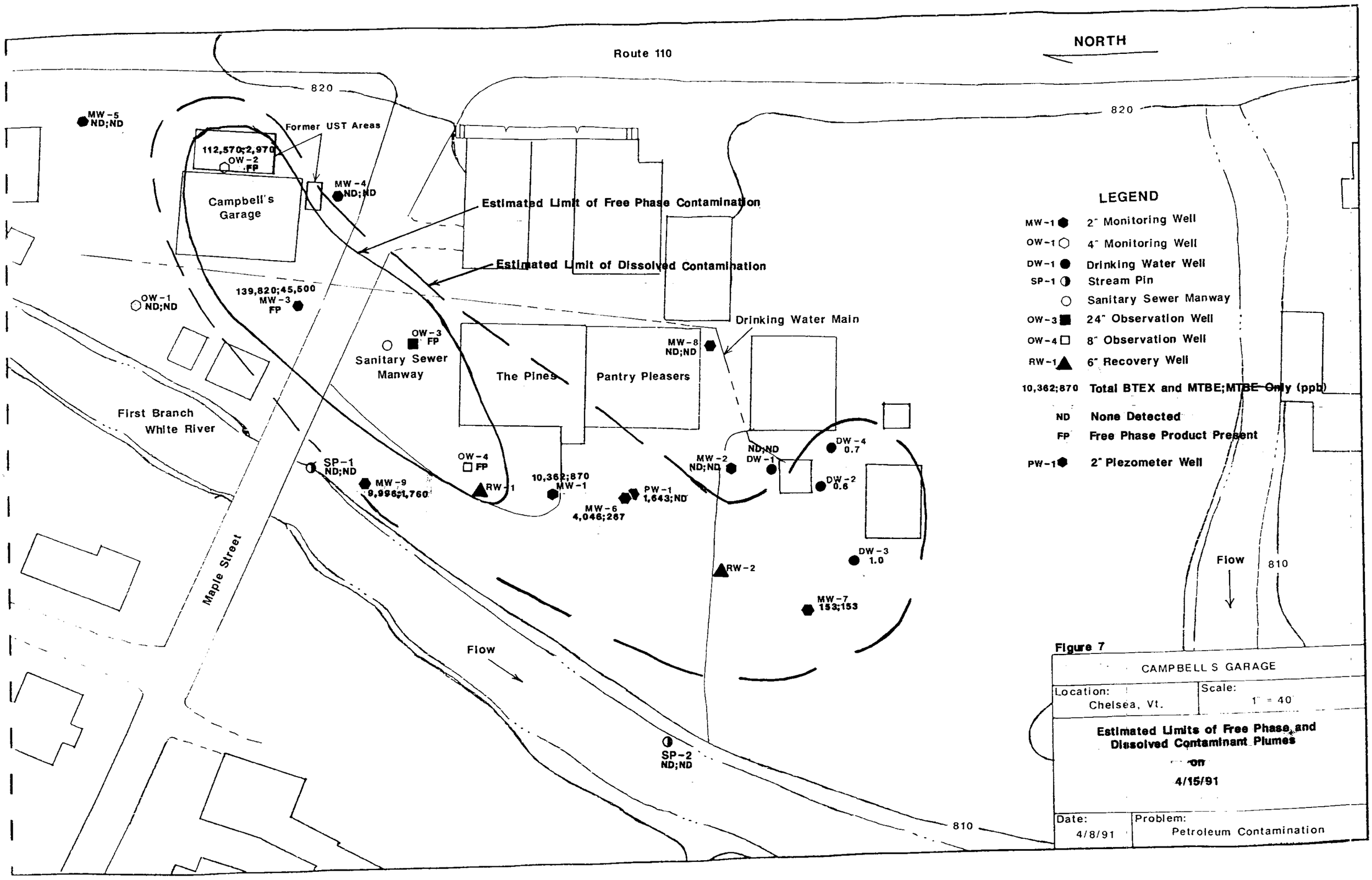
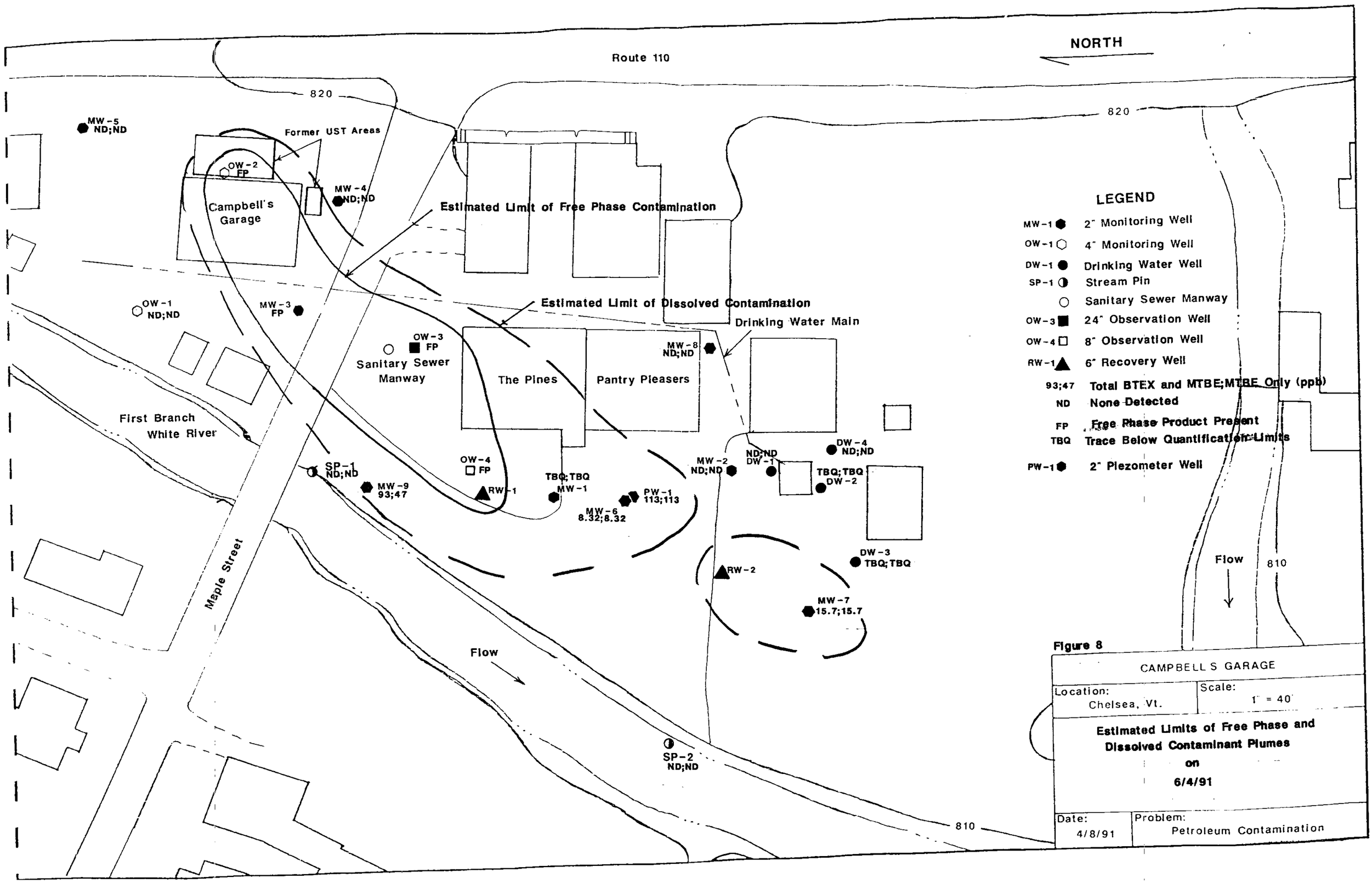


Figure 6

CAMPBELL S GARAGE	
Location: Chelsea, Vt.	Scale: 1" = 40'
Ground Water Contour Map for 7/10/91	
Date: 4/8/91	Problem: Petroleum Contamination


NORTH
Route 110
820
820
810
810
MW-5
ND;ND
Former UST Areas
112,570;2,970
OW-2
FP
Campbell's Garage
MW-4
ND;ND
Estimated Limit of Free Phase Contamination
Estimated Limit of Dissolved Contamination
OW-1
ND;ND
139,820;45,500
MW-3
FP
OW-3
FP
Sanitary Sewer Manway
Drinking Water Main
MW-8
ND;ND
The Pines
Pantry Pleasers
First Branch White River
SP-1
ND;ND
MW-9
9,996;1,760
OW-4
FP
RW-1
10,362;870
MW-1
MW-6
4,046;267
PW-1
1,643;ND
MW-2
ND;ND
ND;ND
DW-1
DW-4
0.7
DW-2
0.6
DW-3
1.0
RW-2
MW-7
153;153
Maple Street
Flow
SP-2
ND;ND
Flow
LEGEND
MW-1 2" Monitoring Well
OW-1 4" Monitoring Well
DW-1 Drinking Water Well
SP-1 Stream Pin
Sanitary Sewer Manway
OW-3 24" Observation Well
OW-4 8" Observation Well
RW-1 6" Recovery Well
10,362;870 Total BTEX and MTBE;MTBE Only (ppb)
ND None Detected
FP Free Phase Product Present
PW-1 2" Piezometer Well
Figure 7
CAMPBELL S GARAGE
Location: Chelsea, Vt.
Scale: 1" = 40'
Estimated Limits of Free Phase and Dissolved Contaminant Plumes
on
4/15/91
Date: 4/8/91
Problem: Petroleum Contamination


NORTH
Route 110
820
820
810
810
Former UST Areas
Campbell's Garage
Estimated Limit of Free Phase Contamination
Estimated Limit of Dissolved Contamination
Drinking Water Main
Sanitary Sewer Manway
The Pines
Pantry Pleasers
First Branch White River
Maple Street
Flow
Flow
MW-5 ND;ND
OW-2 FP
MW-4 ND;ND
OW-1 ND;ND
MW-3 FP
OW-3 FP
MW-8 ND;ND
SP-1 ND;ND
MW-9 93;47
OW-4 FP
RW-1
TBQ;TBQ MW-1
MW-6 8.32;8.32
PW-1 113;113
MW-2 ND;ND
ND;ND DW-1
DW-4 ND;ND
TBQ;TBQ DW-2
DW-3 TBQ;TBQ
RW-2
MW-7 15.7;15.7
SP-2 ND;ND
LEGEND
MW-1 2" Monitoring Well
OW-1 4" Monitoring Well
DW-1 Drinking Water Well
SP-1 Stream Pin
Sanitary Sewer Manway
OW-3 24" Observation Well
OW-4 8" Observation Well
RW-1 6" Recovery Well
93;47 Total BTEX and MTBE;MTBE Only (ppb)
ND None Detected
FP Free Phase Product Present
TBQ Trace Below Quantification Limits
PW-1 2" Piezometer Well
Figure 8
CAMPBELL S GARAGE
Location: Chelsea, Vt.
Scale: 1" = 40'
Estimated Limits of Free Phase and Dissolved Contaminant Plumes on 6/4/91
Date: 4/8/91
Problem: Petroleum Contamination

APPENDIX A

Descriptive and Pictorial Well Logs

Campbell's Garage Well Logs

Well: MW-1
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 1, 1991

Soils Description:

Depth	Description	HNU
0 - 7'	Light brown silty fine to medium sands w/ some rocks. Saturated at 6 ft.	BG
7 - 10.5'	Coarse sands with some silt and pebbles.	5 ppm
10.5 - 13'	Silty, very fine sand, saturated at 11'	
13 - 15'	Fine gravel, pebbles and coarse sands.	2.0 ppm

Well Construction:

Bottom of Boring:	13'
Well Screen:	9' .020 slot 2 in. sch. 40 PVC
Solid Riser:	4' 2 in. sch. 40 PVC
Sand Pack:	13' to 2'
Bentonite Seal:	2' to 1'

Well: MW-2
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 1, 1991

Soils Description:

Depth	Description	HNU
0 - 1'	Topsoil	BG
1 - 11'	Well oxidized, brown, medium sandy fine gravel. Saturated at 7'. Some fine sand and silt interbedding.	BG
11 - 14'	Black coarse sandy fine gravel.	BG

Well Construction:

Bottom of Boring:	14'
Bottom of Well:	13'
Well Screen:	9' .020 slot 2 in. sch. 40 PVC
Solid Riser:	4' 2 in. sch. 40 PVC
Sand Pack:	13' to 3.25'
Bentonite Seal:	3.25' to 2'

Well: MW-3
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 1, 1991

Soils Description:

Depth	Description	HNU
0 - 12.33'	Brown medium sandy fine gravel with fine sand interbedding, Saturated at 10'. Free product present at 10'. Auger refusal at 12.33'	SL
12.33 - 14.33'	Black coarse sands	200 ppm

Well Construction:

Bottom of Boring:	12.33'
Well Screen:	9' .020 slot 2 in. sch. 40 PVC
Solid Riser:	3.33' 2 in. sch. 40 PVC
Sand Pack:	12.33' to 2.5'
Bentonite Seal:	2.5' to 1.5'

Well: MW-4
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 1, 1991

Soils Description:

Depth	Description	HNU
0 - 9.5'	Fill, sands, concrete and brick. Saturated at 8.5'	BG

Well Construction:

Bottom of Boring:	9.25'
Well Screen:	5' .020 slot 2 in. sch. 40 PVC
Solid Riser:	4.25' 2 in. sch. 40 PVC
Sand Pack:	9.25' to 3.17'
Bentonite Seal:	3.17' to 2.0'

Well: MW-5
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 1, 1991

Soils Description:

Depth	Description	HNU
0 - 6.5'	Fill	BG
6.15 - 15'	Brown medium sandy, fine gravels	BG

Well Construction:

Bottom of Boring:	15'
Well Screen:	10' .020 slot 2 in. sch. 40 PVC
Solid Riser:	5' 2 in. sch. 40 PVC
Sand Pack:	14.75' to 3'
Bentonite Seal:	3' to 2'

Well: MW-6
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 12, 1991

Soils Description:

Depth	Description	HNU
0 - 3.5'	Light brown medium sands	
3.5 - 4'	Silty very fine sands	
4 - 11.25'	Coarse sands and fine gravel, Many rocks. Saturated at 7.5'	BG
11.25 - 19'	Dark brown to black coarse sandy fine gravel	5.0 ppm
19'	Grey silt, very fine sand	

Well Construction:

Bottom of Boring:	12.5'
Well Screen:	8' .020 slot 2 in. sch. 40 PVC
Solid Riser:	4.5' 2 in. sch. 40 PVC
Sand Pack:	12.5' to 3.5'
Bentonite Seal:	3.5' to 2.5'

Well: MW-7
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 12, 1991

Soils Description:

Depth	Description	HNU
0 - 3'	Sandy loam	BG
3 - 11'	Dark brown medium sands with some Fine gravel. Saturated at 4'	BG

Well Construction:

Bottom of Boring:	9.5'
Well Screen:	7.5' .020 slot 2 in. sch. 40 PVC
Solid Riser:	2.0' 2 in. sch. 40 PVC
Sand Pack:	9.5' to 1.5'
Bentonite Seal:	1.5' to 0'
Stick Up:	3'

Well: MW-8
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 12, 1991

Soils Description:

Depth	Description	HNU
0 - 4.3'	Loam	BG
4.3 - 14.3'	Dark brown medium sands and Fine gravel. Many cobbles from 5' and below. Saturated at 9'	BG

Well Construction:

Bottom of Boring:	14.16'
Well Screen:	10' .020 slot 2 in. sch. 40 PVC
Solid Riser:	4' 2 in. sch. 40 PVC
Sand Pack:	14.16' to 3.2'
Bentonite Seal:	3.2' to 1.0'

Well: MW-9
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 12, 1991

Soils Description:

Depth	Description	HNU
0 - 6.3'	Fill, moist sands, wood, brick, etc.	BG
6.3 - 11.5'	Medium sands and fine gravels with many cobbles. Saturated at 8'	6.0 ppm

Well Construction:

Bottom of Boring:	13'
Well Screen:	9' .020 slot 2 in. sch. 40 PVC
Solid Riser:	4' 2 in. sch. 40 PVC
Sand Pack:	13' to 3.2'
Bentonite Seal:	3.2' to 1.8'

Well: OW-1
Driller: Pickett Excavating
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: March 13, 1991

Soils Description:

Depth	Description	HNU
0 - 12'	Coarse sandy fine gravel with many cobbles	BG

Well Construction:

Well Screen:	10' .020 slot 4 in. sch. 40 PVC
Solid Riser:	3' 4 in. sch. 40 PVC
Sand Pack:	Native Fill
Bentonite Seal:	None

Well: OW-2
Driller: Pickett Excavating
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: March 13, 1991

Soils Description:

Depth	Description	HNU
0 - 12'	Fill, sands, debris and cobbles. Free Phase product on saturated soils.	500 ppm

Well Construction:

Well Screen:	10' .020 slot 4 in. sch. 40 PVC
Solid Riser:	5' 4 in. sch. 40 PVC
Sand Pack:	Native Fill
Bentonite Seal:	None

Well: OW-3
Driller: Pickett Excavating
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 15, 1991

Soils Description:

Depth	Description	HNU
0 - 12'	Sandy fine gravel with many cobbles	250 ppm

Well Construction:

Well Screen:	8' 24 in. Torch slotted culvert
Solid Riser:	4' 24 in. Culvert
Sand Pack:	.75 inch Stone
Bentonite Seal:	None

Well: OW-4
Driller: Pickett Excavating
Geologist: William Norland, Lincoln Applied Geology, Inc.
Date: April 16, 1991

Soils Description:

Depth	Description		HNU
0 - 12'	Coarse sandy fine gravels Saturated at 7'. Free Phase petroleum present.	SL	

Well Construction:

Well Screen:	5' .060 slot 6 in. sch. 40 PVC
Solid Riser:	7' 6 in. sch. 40 PVC
Sand Pack:	.75 inch Stone and Native Fill
Bentonite Seal:	None
Stick Up:	≈1'

Well: PW-1
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 12, 1991

Soils Description:

Depth	Description	HNU
0 - 3.5'	Light brown medium sands	
3.5 - 4'	Silty very fine sands	
4 - 11.25'	Coarse sands and fine gravel, Many rocks. Saturated at 7.5'	BG
11.25 - 19'	Dark brown to black coarse sandy fine gravel	5.0
19'	Grey silt, very fine sand	

Well Construction:

Bottom of Boring:	20'
Bottom of Well:	19.2'
Well Screen:	.5' .020 slot 2 in. sch. 40 PVC
Solid Riser:	18.5' 2 in. sch. 40 PVC
Sand Pack:	19.2' to 18.6'
Bentonite Seal:	18.6' to 18.4'
Bentonite Grout:	18.4' to 2'

Well: RW-1
Driller: Falcon Well Drilling, Inc.
Geologist: William Norland, Lincoln Applied Geology, Inc.
Date: April 18, 1991

Soils Description:

Depth	Description	HNU
0 - 5'	Silty sands	---
5 - 30'	Fine gravels with many cobbles, Saturated with Free Product at 8'.	---

Well Construction:

Bottom of Boring:	30'
Bottom of Well:	26'
Well Screen:	20' .060 slot 6 in. sch. 40 PVC
Solid Riser:	6' 6 in. sch. 40 PVC
Sand Pack:	30' to 3'
Bentonite Seal:	3' to 1.5'

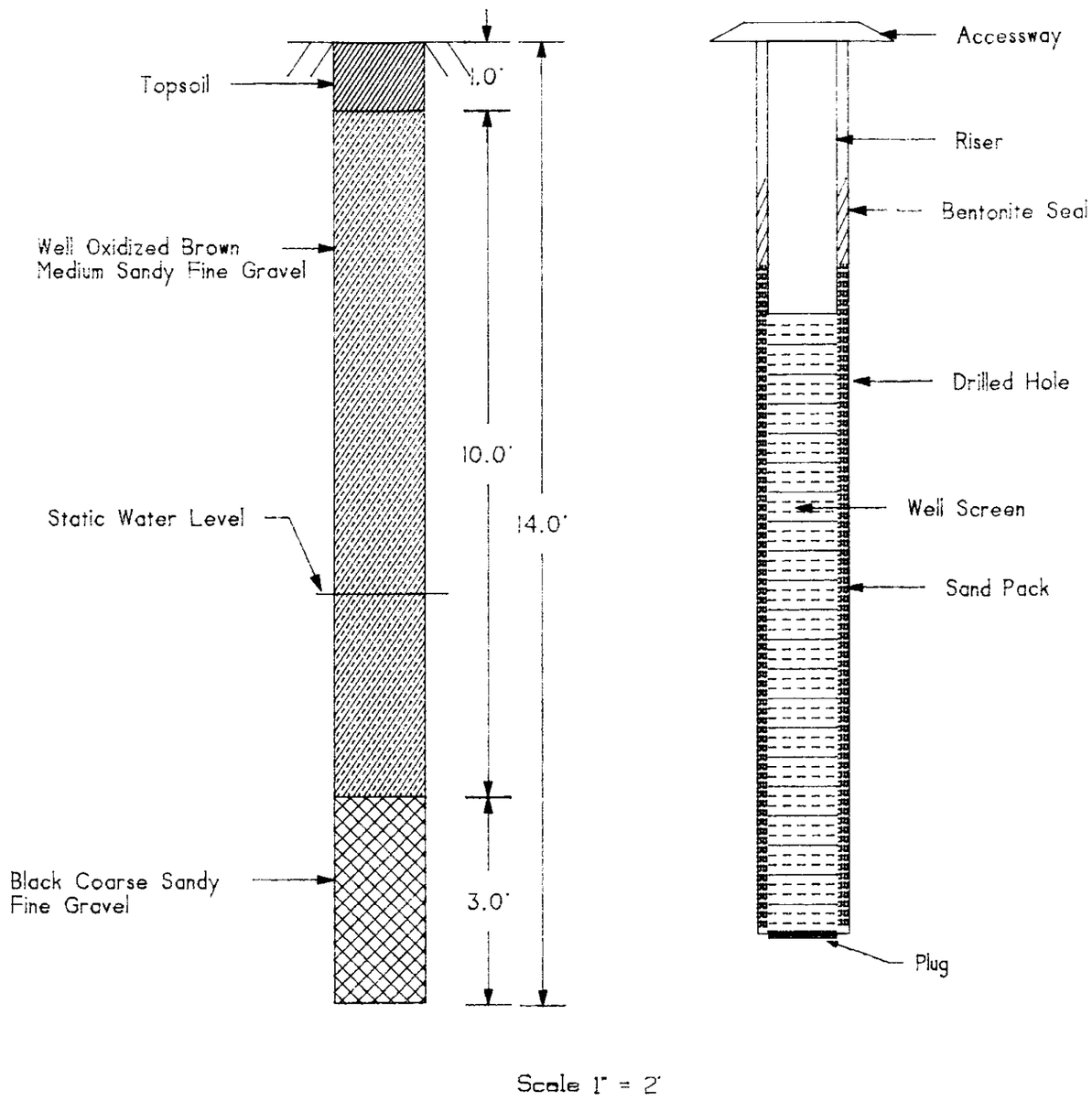
Well: RW-2
Driller: Falcon Well Drilling, Inc.
Geologist: William Norland, Lincoln Applied Geology, Inc.
Date: April 19, 1991

Soils Description:

Depth	Description	HNU
0 - 1'	Loam	---
1 - 15'	Sandy fine gravel with few cobbles	---

Well Construction:

Bottom of Boring:	15'
Well Screen:	10' Torch slotted 6 in. steel casing
Solid Riser:	5' 6 in. steel casing
Sand Pack:	Native Fill
Bentonite Seal:	None



Campbell's Garage Well Logs

Well: MW-2
Driller: Kennedy Drilling
Geologist: Steven LaRosa. Lincoln Applied Geology. Inc.
Date: April 1. 1991

Soils Description:

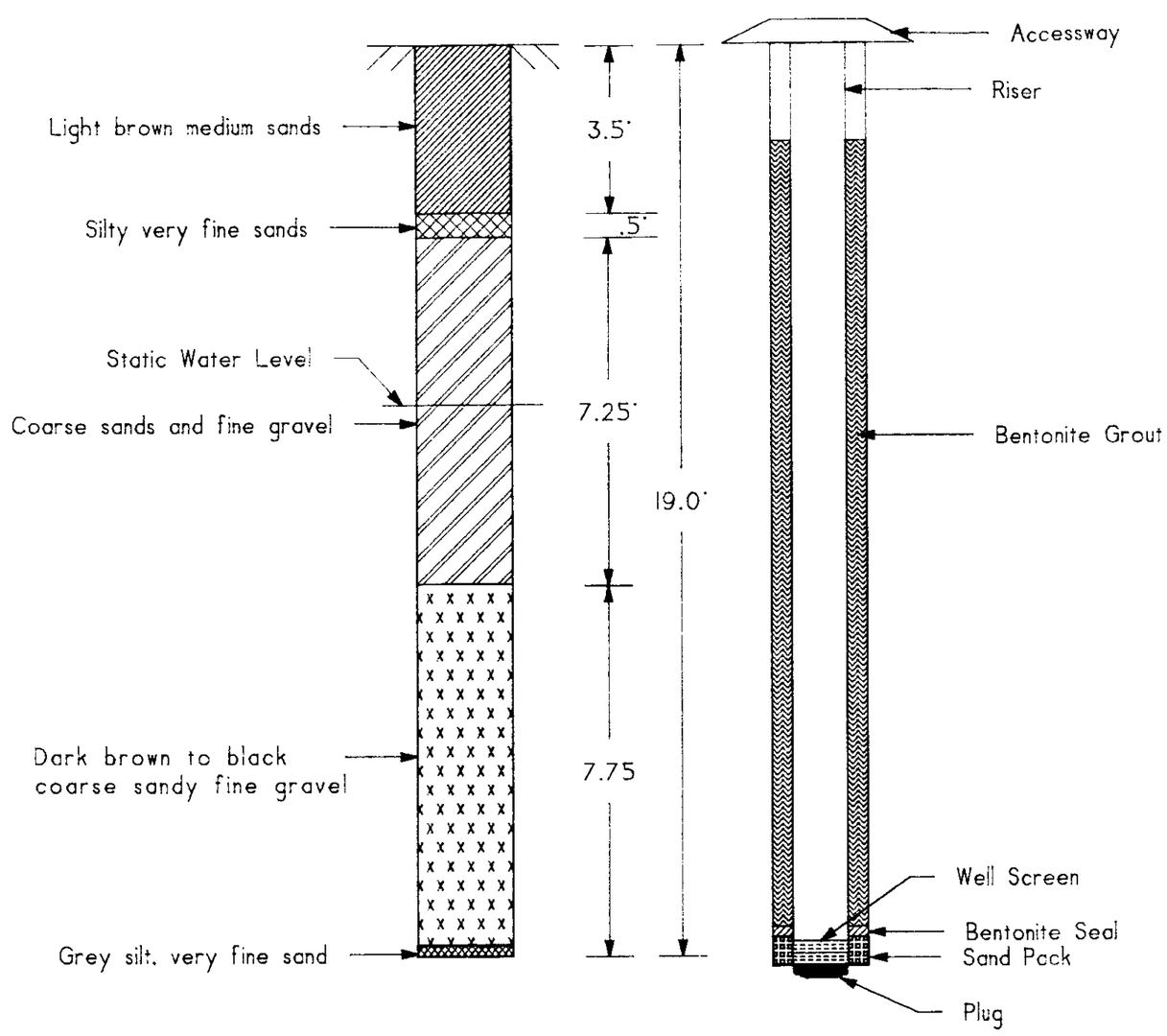
Depth	Description	HNU
0 - 1'	Topsoil	BG
1 - 11'	Well oxydized. brown. medium sandy fine gravel. Saturated at 7'. Some fine sand and silt interbedding.	BG
11 - 14'	Black coarse sandy fine gravel.	BG

Well Construction:

Bottom of Boring:	14'
Bottom of Well:	13'
Well Screen:	9' .020 slot 2 in. sch 40 PVC
Solid Riser:	4' 2 in sch 40 PVC
Sand Pack:	13' to 3.25'
Bentonite Seal:	3.25' to 2'

CAMPBELL'S GARAGE CHELSEA, VERMONT
TYPICAL MONITORING WELL

LINCOLN APPLIED GEOLOGY



Scale 1" = 3'

Campbell's Garage Well Logs

Well: PW-1
Driller: Kennedy Drilling
Geologist: Steven LaRosa, Lincoln Applied Geology, Inc.
Date: April 12, 1991

Soils Description:

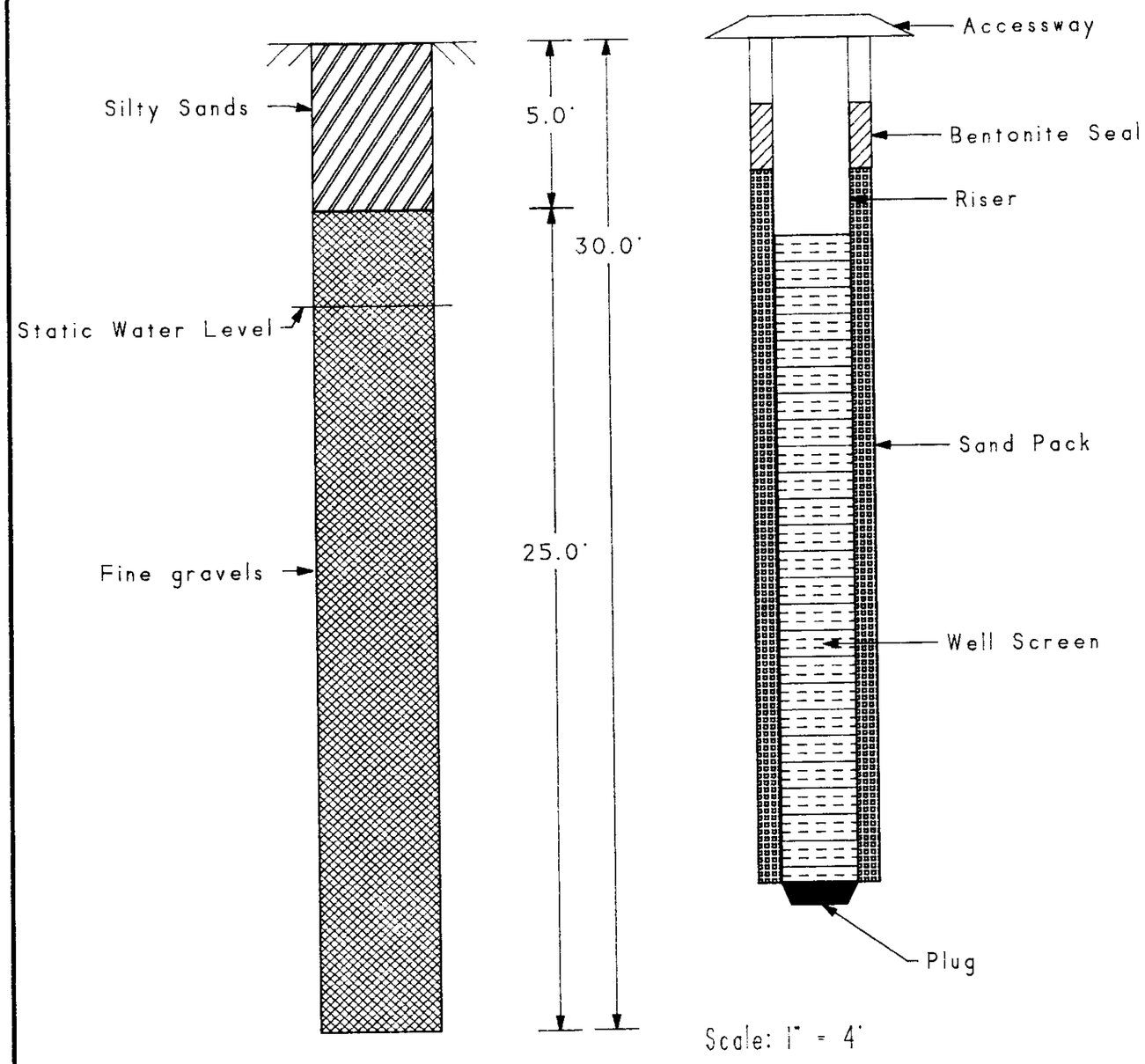
Depth	Description	HNU
0 - 3.5'	Light Brown Medium Sands	
3.5 - 4'	Silty Very Fine Sands	
4 - 11.25'	Coarse Sands and Fine Gravel. Many rocks. Saturated at 7.5'	BG
11.25 - 19'	Dark Brown to Black Coarse Sandy Fine Gravel	5.0
19'	Grey Silt, Very Fine Sand	

Well Construction:

Bottom of Boring:	20'
Bottom of Well:	19.2'
Well Screen:	.5' .020 slot 2 in. sch 40 PVC
Solid Riser:	18.5' 2 in sch 40 PVC
Sand Pack:	19.2' to 18.6'
Bentonite Seal:	18.6' to 18.4'
Bentonite Grout:	18.4' to 2'

CAMPBELL'S GARAGE CHELSEA, VERMONT
PIEZOMETER WELL #1

LINCOLN APPLIED GEOLOGY



Campbell's Garage Well Log

Well: RW-1
Driller: Falcon Well Drilling, Inc.
Geologist: William Norland, Lincoln Applied Geology, Inc.
Date: April 18, 1991

Soils Description:

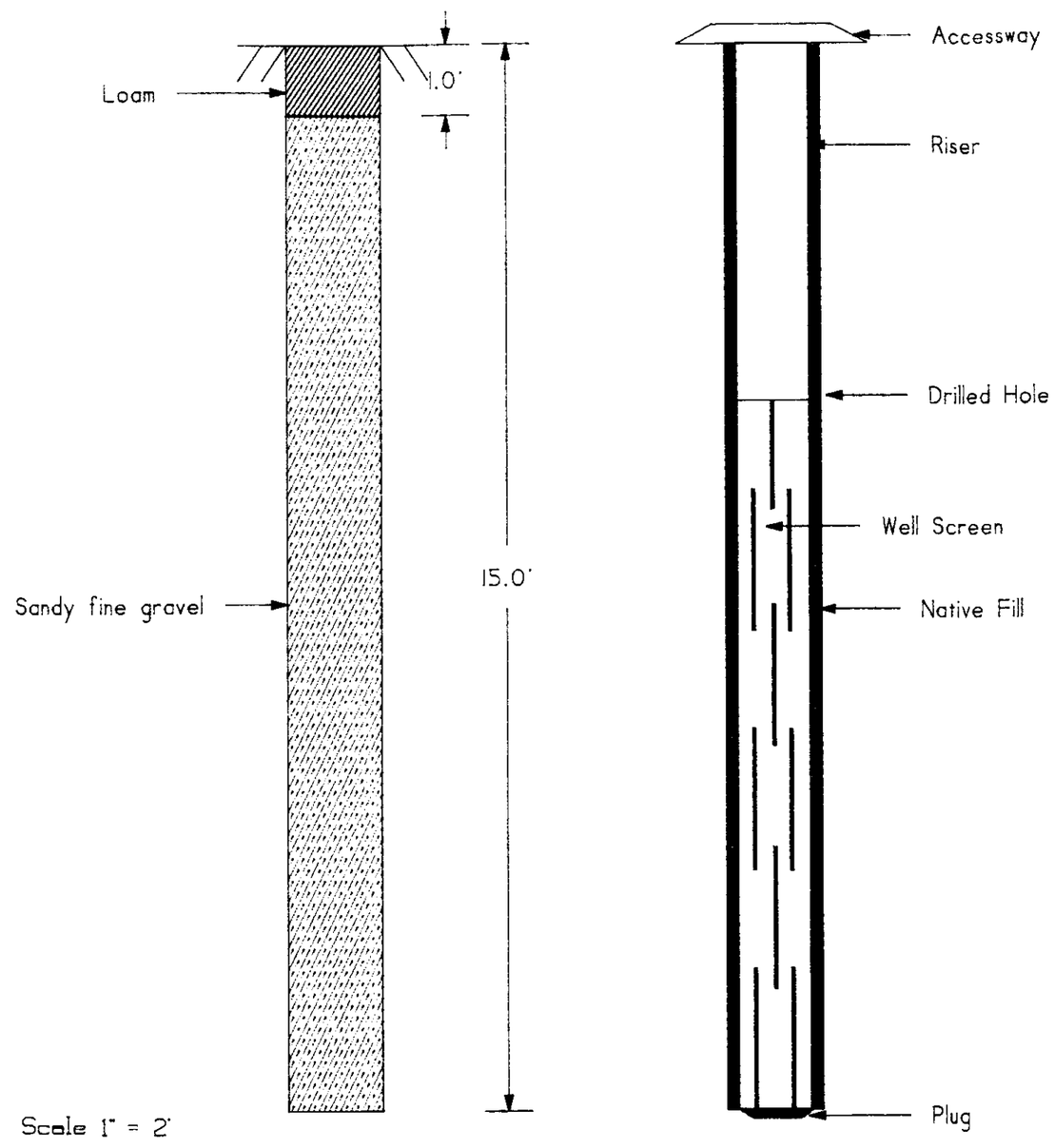
Depth	Description	HNU
0 - 5'	Silty sands	---
5 - 30'	Fine Gravels with many Cobbles. Saturated with Free Product at 8'.	---

Well Construction:

Bottom of Boring:	30'
Bottom of Well:	26'
Well Screen:	20' .060 slot 6 in. sch 40 PVC
Solid Riser:	6' 6 in sch 40 PVC
Sand Pack:	26' to 3'
Bentonite Seal:	3' to 1.5'

CAMPBELL'S GARAGE CHELSEA, VERMONT
RECOVERY WELL #1

LINCOLN APPLIED GEOLOGY



Campbell's Garage Well Logs

Well: RW-2
Driller: Falcon Well Drilling, Inc.
Geologist: William Norland, Lincoln Applied Geology, Inc.
Date: April 19, 1991

Soils Description:

Depth	Description	HNU
0 - 1'	Loam	---
1 - 15'	Sandy Fine Gravel with few Cobbles	---

Well Construction:

Bottom of Boring:	15'
Well Screen:	10' Torch slotted 6 in steel
Solid Riser:	5' 6 in. steel
Sand Pack:	Native Fill
Bentonite Seal:	None

CAMPBELL'S GARAGE CHELSEA, VERMONT
RECOVERY WELL #2

LINCOLN APPLIED GEOLOGY

APPENDIX B

Chemical Ground Water Quality Results

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's Garage
REPORT DATE: April 12, 1991 ANALYSIS DATE: April 11, 1991
SAMPLER: Steven LaRosa STATION: Well #1
DATE SAMPLED: March 28, 1991 REF.#: 18,677
DATE RECEIVED: March 28, 1991 TIME SAMPLED: 9:15

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

Aromatics (Total by EPA 602): 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Frendell

State of Vermont

AGENCY OF HUMAN SERVICE

DEPARTMENT OF HEALT
Laborato
195 Colchester A
PO Box
Burlington, VT 05402-00
(802) 863-73

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0655 ANALYST: JFH ANALYSIS DATE: 4/1/91

note: Testing indicates presence of organic contaminants not identified in this procedure.

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compoun includes testing for the following:

COMPOUND	PQL	COMPOUND	PQL
Benzene	(2)	cis-1,2-Dichloroethene	(3)
Bromobenzene	(2)	1,2-Dichloropropane	(2)
Bromodichloromethane	(2)	2,2-Dichloropropane	(2)
Bromoform	(3)	1,3-Dichloropropane	(2)
Bromomethane	(3)	1,1-Dichloropropene	(2)
Carbon tetrachloride	(3)	cis-1,3-Dichloropropene	(1)
Chlorobenzene	(2)	trans-1,3-Dichloropropene	(1)
Chlorodibromomethane	(2)	Methylene chloride	(4)
Chloroethane	(3)	Ethylbenzene	(2)
Chloroform	(2)	Styrene	(2)
Chloromethane	(3)	1,1,1,2-Tetrachloroethane	(2)
2-Chlorotoluene	(2)	1,1,2,2-Tetrachloroethane	(4)
4-Chlorotoluene	(2)	Tetrachloroethylene	(2)
Dibromomethane	(3)	1,1,1-Trichloroethane	(1)
m-Dichlorobenzene	(2)	1,1,2-Trichloroethane	(3)
o-Dichlorobenzene	(2)	Trichloroethylene	(2)
p-Dichlorobenzene	(4)	1,2,3-Trichloropropane	(3)
1,1-Dichloroethane	(2)	Toluene	(2)
1,2-Dichloroethane	(2)	Vinyl chloride	(1)
1,1-Dichloroethene	(5)	m+p-Xylene	(2)
trans-1,2-Dichloroethene	(3)	o-Xylene	(2)

PQL=Current Practical Quantitation Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: APR 03 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

PQL's updated 03/21/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

Chelsea	WATER SYSTEM NAME & ADDRESS: Chelsea town system	WSID 5638

SPECIFIC SAMPLE LOCATION town well #1

'91 MAR 28 PM 2 41

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL VOC

SAMPLER NAME & TITLE Phil Jones, Hydrologist

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 3/28/91

TIME 9:18 O'CLOCK (AM) PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
V91-0655	___.___	_____	___.___

APR 1 3 1991

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave
PO Box 7
Burlington, VT 05402-007
(802) 863-733

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0656 ANALYST: JFH ANALYSIS DATE: 4/1/91

note: Testing indicates presence of organic contaminants not identified in this procedure.

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compound includes testing for the following:

COMPOUND	PQL	COMPOUND	PQL
Benzene	(2)	cis-1,2-Dichloroethene	(3)
Bromobenzene	(2)	1,2-Dichloropropane	(2)
Bromodichloromethane	(2)	2,2-Dichloropropane	(2)
Bromoform	(3)	1,3-Dichloropropane	(2)
Bromomethane	(3)	1,1-Dichloropropene	(2)
Carbon tetrachloride	(3)	cis-1,3-Dichloropropene	(1)
Chlorobenzene	(2)	trans-1,3-Dichloropropene	(1)
Chlorodibromomethane	(2)	Methylene chloride	(4)
Chloroethane	(3)	Ethylbenzene	(2)
Chloroform	(2)	Styrene	(2)
Chloromethane	(3)	1,1,1,2-Tetrachloroethane	(2)
2-Chlorotoluene	(2)	1,1,2,2-Tetrachloroethane	(4)
4-Chlorotoluene	(2)	Tetrachloroethylene	(2)
Dibromomethane	(3)	1,1,1-Trichloroethane	(1)
m-Dichlorobenzene	(2)	1,1,2-Trichloroethane	(3)
o-Dichlorobenzene	(2)	Trichloroethylene	(2)
p-Dichlorobenzene	(4)	1,2,3-Trichloropropane	(3)
1,1-Dichloroethane	(2)	Toluene	(2)
1,2-Dichloroethane	(2)	Vinyl chloride	(1)
1,1-Dichloroethene	(5)	m+p-Xylene	(2)
trans-1,2-Dichloroethene	(3)	o-Xylene	(2)

PQL=Current Practical Quantitation Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: APR 03 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

PQL's updated 03/21/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

Chelsea	WATER SYSTEM NAME & ADDRESS: Chelsea town system	WSID 5638

IC SAMPLE
TION Chelsea well #2

'91 MAR 28 PM 2 41

POSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☑ SPECIAL VOC

SAMPLER NAME & TITLE Phil Jones, Hydrologist

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- ☑ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 3/28/91
TIME 9:25 O'CLOCK (AM) PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY HCl
1 Sample rejected — air bubbles. [illegible]

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
V91-0656	___.___		___.___

TE REC'D V91-0656 TIME AFR 0 5 1991

State of Vermont

AGENCY OF HUMAN SERVICE

DEPARTMENT OF HEAL'I
Laborato
195 Colchester A·
PO Box
Burlington, VT 05402-00
(802) 863-73

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0657 ANALYST: JFH ANALYSIS DATE: 4/1/91

note: Testing indicates presence of organic contaminants not identified in this procedure.

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compoun includes testing for the following:

COMPOUND	PQL	COMPOUND	PQL
Benzene	(2)	cis-1,2-Dichloroethene	(3)
Bromobenzene	(2)	1,2-Dichloropropane	(2)
Bromodichloromethane	(2)	2,2-Dichloropropane	(2)
Bromoform	(3)	1,3-Dichloropropane	(2)
Bromomethane	(3)	1,1-Dichloropropene	(2)
Carbon tetrachloride	(3)	cis-1,3-Dichloropropene	(1)
Chlorobenzene	(2)	trans-1,3-Dichloropropene	(1)
Chlorodibromomethane	(2)	Methylene chloride	(4)
Chloroethane	(3)	Ethylbenzene	(2)
Chloroform	(2)	Styrene	(2)
Chloromethane	(3)	1,1,1,2-Tetrachloroethane	(2)
2-Chlorotoluene	(2)	1,1,2,2-Tetrachloroethane	(4)
4-Chlorotoluene	(2)	Tetrachloroethylene	(2)
Dibromomethane	(3)	1,1,1-Trichloroethane	(1)
m-Dichlorobenzene	(2)	1,1,2-Trichloroethane	(3)
o-Dichlorobenzene	(2)	Trichloroethylene	(2)
p-Dichlorobenzene	(4)	1,2,3-Trichloropropane	(3)
1,1-Dichloroethane	(2)	Toluene	(2)
1,2-Dichloroethane	(2)	Vinyl chloride	(1)
1,1-Dichloroethene	(5)	m+p-Xylene	(2)
trans-1,2-Dichloroethene	(3)	o-Xylene	(2)

PQL=Current Practical Quantitation Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: APR 0 3 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

PQL's updated 03/01/91

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: MW-1 Duplicate
REF.#: 18,817
TIME SAMPLED: 12:45

Parameter	Concentration (ug/L)
Benzene	2,160.
Toluene	3,880.
Ethylbenzene	62.0
Xylenes	2,010.
MTBE	882.

APR 11 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 15

Total Aromatics: 11,700.

Reviewed by Suzanne M. Grenache

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0658 ANALYST: JFH ANALYSIS DATE: 4/1/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	PQL	COMPOUND	PQL
Benzene	(2)	cis-1,2-Dichloroethene	(3)
Bromobenzene	(2)	1,2-Dichloropropane	(2)
Bromodichloromethane	(2)	2,2-Dichloropropane	(2)
Bromoform	(3)	1,3-Dichloropropane	(2)
Bromomethane	(3)	1,1-Dichloropropene	(2)
Carbon tetrachloride	(3)	cis-1,3-Dichloropropene	(1)
Chlorobenzene	(2)	trans-1,3-Dichloropropene	(1)
Chlorodibromomethane	(2)	Methylene chloride	(4)
Chloroethane	(3)	Ethylbenzene	(2)
Chloroform	(2)	Styrene	(2)
Chloromethane	(3)	1,1,1,2-Tetrachloroethane	(2)
2-Chlorotoluene	(2)	1,1,2,2-Tetrachloroethane	(4)
4-Chlorotoluene	(2)	Tetrachloroethylene	(2)
Dibromomethane	(3)	1,1,1-Trichloroethane	(1)
m-Dichlorobenzene	(2)	1,1,2-Trichloroethane	(3)
o-Dichlorobenzene	(2)	Trichloroethylene	(2)
p-Dichlorobenzene	(4)	1,2,3-Trichloropropane	(3)
1,1-Dichloroethane	(2)	Toluene	(2)
1,2-Dichloroethane	(2)	Vinyl chloride	(1)
1,1-Dichloroethene	(5)	m+p-Xylene	(2)
trans-1,2-Dichloroethene	(3)	o-Xylene	(2)

PQL=Current Practical Quantitation Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: APR 03 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

PQL's updated 03/21/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

803-7335

Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea Town System

WSID 5638

FIC SAMPLE ION town well #4

91 MAR 28 PM 2 41

POSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☑ SPECIAL VOC

SAMPLER NAME & TITLE Phil Jones, Hydrologist

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- ☑ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 3/28/91

TIME 9:35 O'CLOCK (AM) PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
V91-0658	___.___		___.___

TE REC'D V91-0658 TIME

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0660 ANALYST: JFH ANALYSIS DATE: 4/1/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	PQL	COMPOUND	PQL
Benzene	(2)	cis-1,2-Dichloroethene	(3)
Bromobenzene	(2)	1,2-Dichloropropane	(2)
Bromodichloromethane	(2)	2,2-Dichloropropane	(2)
Bromoform	(3)	1,3-Dichloropropane	(2)
Bromomethane	(3)	1,1-Dichloropropene	(2)
Carbon tetrachloride	(3)	cis-1,3-Dichloropropene	(1)
Chlorobenzene	(2)	trans-1,3-Dichloropropene	(1)
Chlorodibromomethane	(2)	Methylene chloride	(4)
Chloroethane	(3)	Ethylbenzene	(2)
Chloroform	(2)	Styrene	(2)
Chloromethane	(3)	1,1,1,2-Tetrachloroethane	(2)
2-Chlorotoluene	(2)	1,1,2,2-Tetrachloroethane	(4)
4-Chlorotoluene	(2)	Tetrachloroethylene	(2)
Dibromomethane	(3)	1,1,1-Trichloroethane	(1)
m-Dichlorobenzene	(2)	1,1,2-Trichloroethane	(3)
o-Dichlorobenzene	(2)	Trichloroethylene	(2)
p-Dichlorobenzene	(4)	1,2,3-Trichloropropane	(3)
1,1-Dichloroethane	(2)	Toluene	(2)
1,2-Dichloroethane	(2)	Vinyl chloride	(1)
1,1-Dichloroethene	(5)	m+p-Xylene	(2)
trans-1,2-Dichloroethene	(3)	o-Xylene	(2)

PQL=Current Practical Quantitation Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: APR 0 3 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

PQL's updated 03/21/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea town system

WSID 5638

FIC SAMPLE TION Campbells Gorge

'91 MAR 28 PM 2 41

POSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☑ SPECIAL VOC

SAMPLER NAME & TITLE Phil Jones, Hydrologist

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- ☐ SOURCE
- ☑ DISTRIBUTION sink
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 3/28/91

TIME 10:20 O'CLOCK (AM) PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY HCl

1 sample rejected - air bubbles.

CL - MAXIMUM CONTAMINANT LEVEL

HECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
V91-0660	___.___		___.___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0659 ANALYST: JFH ANALYSIS DATE: 4/1/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	PQL	COMPOUND	PQL
Benzene	(2)	cis-1,2-Dichloroethene	(3)
Bromobenzene	(2)	1,2-Dichloropropane	(2)
Bromodichloromethane	(2)	2,2-Dichloropropane	(2)
Bromoform	(3)	1,3-Dichloropropane	(2)
Bromomethane	(3)	1,1-Dichloropropene	(2)
Carbon tetrachloride	(3)	cis-1,3-Dichloropropene	(1)
Chlorobenzene	(2)	trans-1,3-Dichloropropene	(1)
Chlorodibromomethane	(2)	Methylene chloride	(4)
Chloroethane	(3)	Ethylbenzene	(2)
Chloroform	(2)	Styrene	(2)
Chloromethane	(3)	1,1,1,2-Tetrachloroethane	(2)
2-Chlorotoluene	(2)	1,1,2,2-Tetrachloroethane	(4)
4-Chlorotoluene	(2)	Tetrachloroethylene	(2)
Dibromomethane	(3)	1,1,1-Trichloroethane	(1)
m-Dichlorobenzene	(2)	1,1,2-Trichloroethane	(3)
o-Dichlorobenzene	(2)	Trichloroethylene	(2)
p-Dichlorobenzene	(4)	1,2,3-Trichloropropane	(3)
1,1-Dichloroethane	(2)	Toluene	(2)
1,2-Dichloroethane	(2)	Vinyl chloride	(1)
1,1-Dichloroethene	(5)	m+p-Xylene	(2)
trans-1,2-Dichloroethene	(3)	o-Xylene	(2)

PQL=Current Practical Quantitation Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: APR 03 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

PQL's updated 03/21/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

Chelsey

WATER SYSTEM NAME & ADDRESS Chelsey Town System

WSID 5638

IFIC SAMPLE ATION Pantry Pleasure Grocery

'91 MAR 28 PM 2 41

RPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL VOC

SAMPLER NAME & TITLE Phil Jones, Hydrologist

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 3/28/91

TIME 1600 O'CLOCK (AM) PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM(= PARTS PER MILLION(

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
☐ CARBON TETRACHLORIDE	___.___	_____	___.___
V91-0659	___.___	_____	___.___

TE REC'D V91-0659 _____ TIME _____ DATE REPORTED APR 03 1991

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: MW-1
REF.#: 18,816
TIME SAMPLED: 12:40

Parameter	Concentration (ug/L)
Benzene	2,120.
Toluene	3,740.
Ethylbenzene	23.7
Xylenes	2,200.
MTBE	896.

NUMBER OF UNIDENTIFIED PEAKS FOUND: 16

Total Aromatics: 11,400.

Reviewed by Suzanne M. Shendell

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: MW-1 Duplicate
REF.#: 18,817
TIME SAMPLED: 12:45

Parameter	Concentration (ug/L)
Benzene	2,160.
Toluene	3,880.
Ethylbenzene	62.0
Xylenes	2,010.
MTBE	882.

APR 11 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 15

Total Aromatics: 11,700.

Reviewed by Suzanne M. Grenache

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: MW-2
REF.#: 18,812
TIME SAMPLED: 12:15

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 11

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

Total Aromatics: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Grendel

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: MW-4
REF.#: 18,819
TIME SAMPLED: 1:15

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 11 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

Total Aromatics: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Gadoke

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: MW-5
REF.#: 18,811
TIME SAMPLED: 12:00

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	TBQ [2]
MTBE	ND

APR 11

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

Total Aromatics: 0

NOTES:

1 Compound not detected in analysis
2 Trace below quantitation limit

Reviewed by Suzanne M. Shendoke

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: OW-1
REF.#: 18,818
TIME SAMPLED: 1:00

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 11 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

Total Aromatics: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Hendde

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: OW-2
REF.#: 18,821
TIME SAMPLED: 1:35

Parameter	Concentration (ug/L)
Benzene	13,600.
Toluene	39,100.
Ethylbenzene	4,030.
Xylenes	24,500.
MTBE	3,030.

APR 1 1

NUMBER OF UNIDENTIFIED PEAKS FOUND: 4

Total Aromatics: 90,300.

Reviewed by Suzanne M. Frenette

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: DW-1
REF.#: 18,813
TIME SAMPLED: 12:20

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 11 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

Total Aromatics: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M Thomas

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: DW-2
REF.#: 18,814
TIME SAMPLED: 12:25

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 11 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

Total Aromatics: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Grendel

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: Upstream
REF.#: 18,810
TIME SAMPLED: 11:45

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APP

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

Total Aromatics: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Theodoki

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: Downstream
REF.#: 18,815
TIME SAMPLED: 12:30

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

APR 11 199

Total Aromatics: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Grendahl

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: Bailer Blank
REF.#: 18,822
TIME SAMPLED: 1:40

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	10.1
Ethylbenzene	4.45
Xylenes	25.1
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

Total Aromatic: 57.9

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Gonzalez

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 10, 1991
SAMPLER: James
DATE SAMPLED: April 3, 1991
DATE RECEIVED: April 3, 1991

ANALYSIS DATE: April 8, 1991
STATION: Trip Blank
REF.#: 18,820
TIME SAMPLED: 1:20

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 11 '91

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

Total Aromatics: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Grendy

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's Garage
REPORT DATE: April 10, 1991 ANALYSIS DATE: April 9, 1991
SAMPLER: S. LaRosa STATION: Campbell's MW-2
DATE SAMPLED: April 9, 1991 REF.#: 18,897
DATE RECEIVED: April 9, 1991 TIME SAMPLED: Not indicated

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 1

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Gerdel

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's Garage
REPORT DATE: April 10, 1991 ANALYSIS DATE: April 9, 1991
SAMPLER: S. LaRosa STATION: Campbell's DW-2
DATE SAMPLED: April 9, 1991 REF.#: 18,894
DATE RECEIVED: April 9, 1991 TIME SAMPLED: Not indicated

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 11 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M Drenkhe

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's Garage
REPORT DATE: April 10, 1991 ANALYSIS DATE: April 9, 1991
SAMPLER: S. LaRosa STATION: Campbell's DW-3
DATE SAMPLED: April 9, 1991 REF.#: 18,895
DATE RECEIVED: April 9, 1991 TIME SAMPLED: Not indicated

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	2.09

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Drendche

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's Garage
REPORT DATE: April 10, 1991 ANALYSIS DATE: April 9, 1991
SAMPLER: S. LaRosa STATION: Campbell's DW-4
DATE SAMPLED: April 9, 1991 REF.#: 18,896
DATE RECEIVED: April 9, 1991 TIME SAMPLED: Not indicated

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Donadio

State of Vermont
AGENCY OF HUMAN SERVICES
DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

RECEIVED APR 23 1991
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*Amended Report

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0676 ANALYST: JFH ANALYSIS DATE: 4/10/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.2 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/15/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 1 863-1335

OWN Chelsea | WATER SYSTEM NAME & ADDRESS Chelsea Water Dept | WSID 5838

SPECIFIC SAMPLE LOCATION Well 2 pressure tank 91 APR 9 PM 4:04

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE Phil Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4/9/91
TIME ~1155 O'CLOCK (AM) PM

REMARKS BY SAMPLER Gas. cont study

REMARKS BY LABORATORY

M.C.L. - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

DATE REC'D 4/9/91 TIME _____ DATE REPORTED APR 12 1991

LAB NUMBER 1191-0676 LABORATORY DIRECTOR _____

State of Vermont

AGENCY OF HUMAN SERVICES

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DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

*Amended Report

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0677 ANALYST: JFH ANALYSIS DATE: 4/10/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.9 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/15/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea Water Dept.

WSID: 363

SPECIFIC SAMPLE LOCATION: Well #3 Pressure

'91 APR 2 PM 4 04

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE: Phil Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 4/9/91

TIME: 12 Noon O'CLOCK AM PM

REMARKS BY SAMPLER: Gas. Cart-Study

REMARKS BY LABORATORY

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM(= PARTS PER MILLION(

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

DATE REC'D: 4/9/91 TIME: _____ DATE REPORTED: APR 12 1991

LAB NUMBER: V91-0677 LABORATORY DIRECTOR: _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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*Amended Report

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0678 ANALYST: JFH ANALYSIS DATE: 4/10/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/15/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea Water Dept. 91 APR 9 PM 4 04

WSID 5638

FIC SAMPLE
N: Well #4 pressure Tank

OF SAMPLE
- ROUTINE
- QUARTERLY
- MAXIMUM THM POTENTIAL
- SPECIAL _____

SAMPLER NAME & TITLE: Phil Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

C SAMPLE
- SOURCE
- DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4/9/91

TIME 12 Noon O'CLOCK AM PM

S BY SAMPLER: Gas Cont. Study

REMARKS BY LABORATORY: HCl

M XIMUM CONTAMINANT LEVEL ANALYSES REQUESTED — LABORATORY REPORT — MG/L = MILLIGRAMS PER LITER; PPM = PARTS PER MILLION

] TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
]-CHLOROFORM	___.___	☐ BENZENE	___.___
] DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
] BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
RICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
ETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
1,1,1-TRICHLOROETHANE	___.___		___.___
.2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
RBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

4/9/91 TIME _____ DATE REPORTED APR 12 1991

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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*Amended Report

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0679 ANALYST: JFH ANALYSIS DATE: 4/10/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/15/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

DWN Chelsea	WATER SYSTEM NAME & ADDRESS Chelsea Water Dept	WSID 5638

SPECIFIC SAMPLE LOCATION Campbells Garage Bathroom Sink cold Tap 91 APR 9 PM 4 05

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☑ SPECIAL _____

SAMPLER NAME & TITLE Phil Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- ☐ SOURCE
- ☑ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4-9-91

TIME 12:10 O'CLOCK AM (PM)

REMARKS BY SAMPLER Gas Cont. Study

REMARKS BY LABORATORY 2 vials

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM(= PARTS PER MILLION(

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

REC'D 4/9/91 JB TIME _____ DATE REPORTED APR 12 1991

LAB NUMBER V91-0679 LABORATORY DIRECTOR _____

V91-0679

State of Vermont

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AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALT

Laborato

195 Colchester Av

PO Box 7

Burlington, VT 05402-007

(802) 863-733

*Amended Report

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0680 ANALYST: JFH ANALYSIS DATE: 4/10/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/15/91

Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 4 05 863-7335

Chelsea	WATER SYSTEM NAME & ADDRESS Chelsea Water Dept	WSID 5638

I IC SAMPLE
LOCATION Pantry Pleasures, kitchen sink coldwater

OSE OF SAMPLE
- ROUTINE
- QUARTERLY
- MAXIMUM THM POTENTIAL
- SPECIAL _____

SAMPLER NAME & TITLE Phil Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

OF SAMPLE
- SOURCE
- DISTRIBUTION
  - MAXIMUM RESIDENCE TIME
  - NORMAL RESIDENCE TIME
- OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4-9-91
TIME 12 Noon O'CLOCK AM PM

RKS BY SAMPLER Gas Cont Study

REMARKS BY LABORATORY

MAXIMUM CONTAMINANT LEVEL
NALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM(= PARTS PER MILLION(

TOTAL TRIHALOMETHANES	___.___	METHYLENE CHLORIDE	___.___
CHLOROFORM	___.___	BENZENE	___.___
DIBROMOCHLOROMETHANE	___.___	TOLUENE	___.___
BROMODICHLOROMETHANE	___.___	XYLENES	___.___
BROMOFORM	___.___	CHLORO BENZENE	___.___
TRICHLOROETHYLENE	___.___	ETHYL BENZENE	___.___
TETRACHLOROETHYLENE	___.___	1,2-DICHLOROETHENE	___.___
	___.___		___.___
	___.___	1,1-DICHLOROETHANE	___.___
1,1,1-TRICHLOROETHANE	___.___		___.___
1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

C'D 4/9/91 lR TIME _____ DATE REPORTED APR 12 1991

ER V91-0680 LABORATORY DIRECTOR _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

RECEIVED

*Amended Report

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0681 ANALYST: JFH ANALYSIS DATE: 4/10/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/15/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

'91 APR 9 PM 4 05

Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea Water Dept | WSID 5658

CIFIC SAMPLE A LON: Trip Blank

PUSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☐ SPECIAL _____

SAMPLER NAME & TITLE

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

OF SAMPLE
- ☐ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☒ OTHER Trip Blank

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4-9-91

TIME _____ O'CLOCK AM PM

RKS BY SAMPLER: Trip Blank

REMARKS BY LABORATORY: HCl

MAXIMUM CONTAMINANT LEVEL ANALYSES REQUESTED — LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM(= PARTS PER MILLION(

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
1,1,2,2-TETRACHLOROETHANE	___.___		___.___
ARBON TETRACHLORIDE	___.___		___.___
91-0681 4/9/91 ye	___.___		___.___

APR 23 1991

91-0681 V91-0681 ME _____ DATE REPORTED _____

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: Steve
DATE SAMPLED: April 13, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: DW-2
REF.#: 19,049
TIME SAMPLED: Not indicated

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Sendelli

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: Steve
DATE SAMPLED: April 13, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: DW-3
REF.#: 19,050
TIME SAMPLED: Not indicated

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Fundell

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: Steve
DATE SAMPLED: April 13, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: DW-4
REF.#: 19,048
TIME SAMPLED: Not indicted

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M Frenche

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
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FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: Steve
DATE SAMPLED: April 13 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: Influent
REF.#: 19,045
TIME SAMPLED: Not indicated

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 17 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Frendahl

ENDYNE, INC.

Laboratory Services

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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: Steve
DATE SAMPLED: April 13 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: Effluent Can. #1
REF.#: 19,046
TIME SAMPLED: Not indicated

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 1

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Thendahl

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: Steve
DATE SAMPLED: April 13, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: Effluent Can. #2
REF.#: 19,047
TIME SAMPLED: Not indicated

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 1

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Grendel

ENDYNE, INC.

Laboratory Services

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Williston, Vermont 05495
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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: Influent
REF.#: 19,051
TIME SAMPLED: 2:51

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 17 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzann M. Sondy

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: Effluent Can. #1
REF.#: 19,052
TIME SAMPLED: 2:51

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 1

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Strandt

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
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FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: Effluent Can. #2
REF.#: 19,053
TIME SAMPLED: 2:51

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 3

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Hendell

ENDYNE, INC.

Laboratory Services

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Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: DW-1
REF.#: 19,058
TIME SAMPLED: 12:25

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Shenkel

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
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FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: DW-2
REF.#: 19,057
TIME SAMPLED: 12:20

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Shenoke

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
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FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: DW-3
REF.#: 19,054
TIME SAMPLED: 12:10

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Frendel

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
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FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: DW-3 (dup)
REF.#: 19,055
TIME SAMPLED: 12:11

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Grundahl

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: MW 8
REF.#: 20,273
TIME SAMPLED: 10:25

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by _____

ENDYNE, INC.

Laboratory Services

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(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: MW-1
REF.#: 19,071
TIME SAMPLED: 2:40

Parameter	Concentration (ug/L)
Benzene	2,350.
Toluene	4,510.
Ethylbenzene	82.5
Xylenes	2,550.
MTBE	870.

APR 18 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 13

Reviewed by Suzanne M. Frenchl

ENDYNE, INC.

Laboratory Services

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FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: MW-2
REF.#: 19,059
TIME SAMPLED: 11:20

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

APR 18 1991

NOTES:

1 Compound not detected in analysis

Reviewed by Suzann M. Strendt

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: MW-3
REF.#: 19,074
TIME SAMPLED: 3:07

Parameter	Concentration (ug/L)
Benzene	27,300.
Toluene	45,100.
Ethylbenzene	3,520.
Xylenes	18,400.
MTBE	45,500.

NUMBER OF UNIDENTIFIED PEAKS FOUND: 12

Reviewed by Suzanne M. Handel

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: MW-4
REF.#: 19,065
TIME SAMPLED: 1:21

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 18 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Drescher

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: MW-5
REF.#: 19,063
TIME SAMPLED: 1:00

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 18 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Sherschel

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: MW-6
REF.#: 19,068
TIME SAMPLED: 2:05

Parameter	Concentration (ug/L)
Benzene	848.
Toluene	1,740.
Ethylbenzene	51.0
Xylenes	1,040.
MTBE	274.

NUMBER OF UNIDENTIFIED PEAKS FOUND: 12

APR 18 1991

Reviewed by Suzanne M. Dresser

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: MW-6 (dup)
REF.#: 19,069
TIME SAMPLED: 2:06

Parameter	Concentration (ug/L)
Benzene	896.
Toluene	1,840.
Ethylbenzene	61.8
Xylenes	1,080.
MTBE	260.

APR 18 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 12

Reviewed by Suzanne M. Shandahl

ENDYNE, INC.

Laboratory Services

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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: MW-7
REF.#: 19,061
TIME SAMPLED: 12:35

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	153.

APR 18 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Shendell

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: MW-8
REF.#: 19,070
TIME SAMPLED: 2:28

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Frenette

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: MW-9
REF.#: 19,072
TIME SAMPLED: 2:54

Parameter	Concentration (ug/L)
Benzene	4,130.
Toluene	2,050.
Ethylbenzene	206.
Xylenes	1,850.
MTBE	1,760.

NUMBER OF UNIDENTIFIED PEAKS FOUND: 10

APR 18 1991

Reviewed by Suzanne M. Frendahl

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: PW-1
REF.#: 19,067
TIME SAMPLED: 1:55

Parameter	Concentration (ug/L)
Benzene	457.
Toluene	716.
Ethylbenzene	19.6
Xylenes	450.
MTBE	ND [1]

APR 18 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 20

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Hardebl

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: OW-1
REF.#: 19,064
TIME SAMPLED: 1:15

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 18 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Hardell

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: OW-2
REF.#: 19,073
TIME SAMPLED: 3:00

Parameter	Concentration (ug/L)
Benzene	17,900.
Toluene	55,700.
Ethylbenzene	5,800.
Xylenes	30,200.
MTBE	2,970.

APR 18 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 10

Reviewed by Suzanne M. Drenchel

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: Upstream
REF.#: 19,066
TIME SAMPLED: 1:10

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

APR 18 1991

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M Shenahl

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: Down Stream
REF.#: 19,062
TIME SAMPLED: 12:45

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

APR 18 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Hardahl

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: Bailer Blank
REF.#: 19,075
TIME SAMPLED: 3:20

Parameter	Concentration (ug/L)
Benzene	2.54
Toluene	9.91
Ethylbenzene	3.68
Xylenes	17.4
MTBE	ND [1]

APR 18 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 3

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Frenette

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbell's
REPORT DATE: April 16, 1991
SAMPLER: James
DATE SAMPLED: April 15, 1991
DATE RECEIVED: April 15, 1991

ANALYSIS DATE: April 15, 1991
STATION: Trip
REF.#: 19,060
TIME SAMPLED: 12:26

Parameter	Concentration (ug/L)
Benzene	8.93
Toluene	38.9
Ethylbenzene	5.36
Xylenes	20.9
MTBE	ND [1]

NUMBER OF UNIDENTIFIED PEAKS FOUND: 3

NOTES:

1 Compound not detected in analysis

Reviewed by Suzanne M. Hendel

State of Vermont

AGENCY OF HUMAN SERVICES

VERMONT DEPARTMENT OF HEALTH
Division of Environmental Health
60 Main Street, P.O. Box 70
Burlington, Vermont 05402
Telephone: (802) 863-7220

April 22, 1991

Chelsea School
Chelsea, VT 05038

RE: Volatile Organic Chemical Results

Dear Chelsea School:

Samples of your drinking water were recently collected by the Vermont Department of Health to test for Volatile Organic Chemicals (VOC's). Enclosed is a copy of the laboratory result form. No VOC's were detected in your water sample.

Please call me at: 1-800-439-8550 or 863-7220, should you have any questions.

Sincerely,

Philip L. Jones

Philip L. Jones
Hydrogeologist

PLJ:cjs

cc: R. Spiese, D.E.C.
S. LaRosa, Lincoln Applied Geology

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 803-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea School

WSID

SPECIFIC SAMPLE LOCATION boys room

'91 APR 18 AM 8 36

PURPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL Contam Invest

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 4/17/91

TIME 11:30 O'CLOCK AM PM

REMARKS BY SAMPLER

duplicate
2d test

RECEIVED 2 2 1991

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-0732 V91-0732

DATE REC'D 4/18/91 TIME

DATE REPORTED

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

RECEIVED
22 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0732 ANALYST: JFH ANALYSIS DATE: 4/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: April 22, 1991 Method: EPA Method 524.2 (GC/MS)

: This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

State of Vermont

AGENCY OF HUMAN SERVICES

VERMONT DEPARTMENT OF HEALTH
Division of Environmental Health
60 Main Street, P.O. Box 70
Burlington, Vermont 05402
Telephone: (802) 863-7220

April 22, 1991

Chelsea Elderly House
Chelsea Court
Chelsea, VT 05038

RE: WSID #5581, Volatile Organic Chemical Results

Dear Chelsea Elderly House:

Samples of your drinking water were recently collected by the Vermont Department of Health to test for Volatile Organic Chemicals (VOC's). Enclosed is a copy of the laboratory result form. No VOC's were detected in your water sample.

Please call me at: 1-800-439-8550 or 863-7220, should you have any questions.

Sincerely,

Philip L. Jones
Hydrogeologist

PLJ:cjs

cc: R. Spiese, D.E.C.
S. LaRosa, Lincoln Applied Geology

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea Elderly House (Chelsea Court)

WSID 559

SPECIFIC SAMPLE LOCATION outside spigot

'91 APR 16 AM 8 35

PURPOSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE J Fleckenstein

CURRENT CHLORINE RESIDUAL

— MG/L FREE

— MG/L TOTAL

TYPE OF SAMPLE

- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION

— LBS./DAY

DATE OF SAMPLE 4/17/91

TIME 1:00 O'CLOCK AM (PM)

REMARKS BY SAMPLER duplicate 2d sample

RECEIVED 22 1991

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
V91 0727 V91-0727	___.___		___.___

TIME DATE REPORTED

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

RECEIVED
22 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0727 ANALYST: JFH ANALYSIS DATE: 4/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: April 22, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0811 ANALYST: JFH ANALYSIS DATE: JUN 5 1991

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.4 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 803-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Shire Inn

WSID:

SPECIFIC SAMPLE LOCATION: Shire Inn, individual wells

'91 APR 15 PM 2

PURPOSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P. Jones

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE: 4/15/91

TIME: 10:00 O'CLOCK (AM) PM

REMARKS BY SAMPLER: gas leak investigation

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

RECEIVED APR 22 1991

1-0710 4-15-91 ~~1-91-0910~~

TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

RECEIVED
2 2 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0710 ANALYST: JFH ANALYSIS DATE: 4/16/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

803-7335

N Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea PWS

WSID 5638

IFIC SAMPLE ATION Shire Inn

'91 APR 18 AM 8 35

OSE OF SAMPLE

-] ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
-] SPECIAL _____

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL

— MG/L FREE

— MG/L TOTAL

OF SAMPLE

- SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- OTHER _____

PRE-CHLORINATION

— LBS./DAY

DATE OF SAMPLE 4/17/91

TIME 11:50 O'CLOCK (AM) PM

S BY SAMPLER Duplicate

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REMARKS BY LABORATORY HCl

MAXIMUM CONTAMINANT LEVEL

NALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
ETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
1,1-TRICHLOROETHANE	___.___		___.___
1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
1,2,2-TETRACHLOROETHANE	___.___		___.___
CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

91 0726 VOA-0226

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0726 ANALYST: JFH ANALYSIS DATE: 4/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: April 22, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 803-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea PWS

WSID 56

SPECIFIC SAMPLE LOCATION post carbon treatment

'91 APR 15 PM 2 04

PURPOSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE Philip Jones

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE chlorinated

_____ MG/L TOTAL

TYPE OF SAMPLE

- [x] SOURCE post carbon
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 4/15/91

TIME 10:30 O'CLOCK AM PM

REMARKS BY SAMPLER

gas leak investigation

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

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[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-0712 4-15-91 TIME _____ DATE REPORTED

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0712 ANALYST: JFH ANALYSIS DATE: 4/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

N Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID 5638

CIFIC SAMPLE ON Monitor well #2 (MW-2)

'91 APR 15 PM 2 04

E OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE P Jones

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

SAMPLE

- [ ] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [x] OTHER monitor well

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 4/15/91

TIME 11:15 O'CLOCK AM PM

KS BY SAMPLER

S leak investigation

REMARKS BY LABORATORY HCl

XIMUM CONTAMINANT LEVEL ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
1,1,1-TRICHLOROETHANE	___.___		___.___
,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
1,1,2,2-TETRACHLOROETHANE	___.___		___.___
RBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

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4-15-91

13 1491-0713 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0713 ANALYST: JFH ANALYSIS DATE: 4/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 663-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea Water Dept

WSID: 563

SPECIFIC SAMPLE LOCATION

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P. [illegible] 91 APR 15 PM 2 04

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4/15/91

TIME 10:30 O'CLOCK (AM) PM

REMARKS BY SAMPLER
Composite source, pre treatment
- gas leak investigation

REMARKS BY LABORATORY
HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM(= PARTS PER MILLION(

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO-BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

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DATE REC'D 4-15-91 TIME _____ DATE REPORTED _____

NUMBER V91-0707 LABORATORY DIRECTOR _____

V91-0707

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0707 ANALYST: JFH ANALYSIS DATE: 4/16/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	0.9 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea PWS

WSID 5638

SPECIFIC SAMPLE LOCATION town clerks office

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE P Jones

CURRENT CHLORINE RESIDUAL
- ____ MG/L FREE
- ____ MG/L TOTAL

TYPE OF SAMPLE
- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER ____

PRE-CHLORINATION
____ LBS./DAY

DATE OF SAMPLE 4/15/91

TIME 10:20 O'CLOCK (AM) PM

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REMARKS BY SAMPLER
gas leak investigation

REMARKS BY LABORATORY
HCl

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

DATE REC'D 4-15-91 TIME ____ DATE REPORTED ____

V91-0708 LABORATORY DIRECTOR ____

V91-0708

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0708 ANALYST: JFH ANALYSIS DATE: 4/16/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 563

SPECIFIC SAMPLE LOCATION: Cambells Garage

'91 APR 15 PM 2

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [ ] SPECIAL _____

SAMPLER NAME & TITLE: P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 4/15/91

TIME: 10:25 O'CLOCK AM PM

REMARKS BY SAMPLER: gas leak in restigation

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

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91 0709 4-15-91 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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22 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0709 ANALYST: JFH ANALYSIS DATE: 4/16/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea Water Dep.

WSID 5638

'91 APR 15 PM 2 04

SPECIFIC SAMPLE LOCATION Ron Allen ~~[illegible]~~ residence

PURPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE Philip Sonces

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- ☐ SOURCE
- ☑ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 4/15

TIME 10:10 O'CLOCK AM PM

REMARKS BY SAMPLER

gas leak in resigation

REMARKS BY LABORATORY #4

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

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91-0711 4-15-91 ~~V 91-0711~~ TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0711 ANALYST: JFH ANALYSIS DATE: 4/16/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea PWS

WSID 5638

SPECIFIC SAMPLE LOCATION Pressure Tank #2

'91 APR 15 PM 2 04

PURPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL Contam Invest ~~GC/MS~~ gm GC/MS

SAMPLER NAME & TITLE P Jones

CURRENT CHLORINE RESIDUAL

___ MG/L FREE

___ MG/L TOTAL

RECEIVED

TYPE OF SAMPLE

- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER ___

PRE-CHLORINATION

___ LBS./DAY

DATE OF SAMPLE 4/15/91

TIME 10:45 O'CLOCK AM PM

REMARKS BY SAMPLER duplicate

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

11-15-91

V91-0714 V91-0714 TIME ___ DATE REPORTED ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0714 ANALYST: JFH ANALYSIS DATE: 4/16/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	0.6 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea PWS

WSID 5638

SPECIFIC SAMPLE LOCATION Pressure Tank #3

'91 APR 15 PM 2 05

PURPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL Contam Invest GC/MS

SAMPLER NAME & TITLE P Jones

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 4/5/91

TIME 10:45 O'CLOCK AM PM

REMARKS BY SAMPLER

duplicate

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

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☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
4-15-91	___.___		___.___

V91-0715 V91-0715

TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0715 ANALYST: JFH ANALYSIS DATE: 4/16/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.0 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

AN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea Water Dept WSID 5638

C FIC SAMPLE

ATION

'91 APR 15 PM 2 05

POSE OF SAMPLE

- ROUTINE
- QUARTERLY
- MAXIMUM THM POTENTIAL
- SPECIAL _____

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SAMPLER NAME & TITLE

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

OF SAMPLE

- SOURCE
- DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 9/15/91

TIME _____ O'CLOCK AM PM

S BY SAMPLER

REMARKS BY LABORATORY TRIP Blank
I-9- 3-15-91

MAXIMUM CONTAMINANT LEVEL
ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
4-15-91	___.___		___.___

2716

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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2 2 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0716 ANALYST: JFH ANALYSIS DATE: 4/16/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea PWS

WSID S638

IFIC SAMPLE TION Pressure Tank #4

'91 APR 15 PM 2 05

POSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL Centam Invst GC/MS

SAMPLER NAME & TITLE Phil Jones

CURRENT CHLORINE RESIDUAL

— MG/L FREE

— MG/L TOTAL

OF SAMPLE

- [ ] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
  - OTHER _____

PRE-CHLORINATION

— LBS./DAY

DATE OF SAMPLE 4/15/91

TIME 10:45 O'CLOCK AM PM

RKS BY SAMPLER duplicate

REMARKS BY LABORATORY HCl

RECEIVED 22 1991 LABORATORY REPORT

- MAXIMUM CONTAMINANT LEVEL
- ANALYSES REQUESTED

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
4-15-91	___.___		___.___

0717 V91-0717 TIME

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0717 ANALYST: JFH ANALYSIS DATE: 4/16/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	0.7 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: 4/19/91 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

N Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea PWS

WSID 5638

CIFIC SAMPLE ATION Town Clerk

RPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL Con. Invest.

SAMPLER NAME & TITLE P Fleckenstein

1991 APR 18 AM 8:35

CURRENT CHLORINE RESIDUAL

/ MG/L FREE

/ MG/L TOTAL

PE OF SAMPLE

- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER

PRE-CHLORINATION

/ LBS./DAY

DATE OF SAMPLE 4/17/91

TIME 11:00 O'CLOCK (AM) PM

ARKS BY SAMPLER duplicate

REMARKS BY LABORATORY HCl

— MAXIMUM CONTAMINANT LEVEL

ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

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V91-0724

REC V91-0724 TIME DATE REPORTED

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0724 ANALYST: JFH ANALYSIS DATE: 4/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: April 22, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea PWS

WSID 5638

SPECIFIC SAMPLE LOCATION Campbells Garage

'91 APR 18 AM 8 35

PURPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL

— MG/L FREE

— MG/L TOTAL

TYPE OF SAMPLE

- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER

PRE-CHLORINATION

— LBS./DAY

DATE OF SAMPLE 4/17/91

TIME 12:00 O'CLOCK AM PM

REMARKS BY SAMPLER duplicate

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REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
V91-0725	___.___		___.___

V91-0725

REC 4-18-91 TIME

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0725 ANALYST: JFH ANALYSIS DATE: 4/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: April 22, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

N Chelsea	WATER SYSTEM NAME & ADDRESS Chelsea PWS	WSID 5638

FIC SAMPLE
TION press. tank #2 (from well #2) '91 APR 18 AM 8 36

OSE OF SAMPLE
-] ROUTINE
-] QUARTERLY
-] MAXIMUM THM POTENTIAL
- SPECIAL _____

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
- _____ MG/L FREE
- _____ MG/L TOTAL

OF SAMPLE
- SOURCE
- DISTRIBUTION
- ☐ MAXIMUM RESIDENCE TIME
- ☐ NORMAL RESIDENCE TIME
- OTHER _____

PRE-CHLORINATION
- _____ LBS./DAY

DATE OF SAMPLE 4/17/91

TIME 12:15 O'CLOCK AM (PM)

RKS BY SAMPLER duplicate

REMARKS BY LABORATORY HCl

MAXIMUM CONTAMINANT LEVEL
NALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	____.____	☐ METHYLENE CHLORIDE	____.____
☐ CHLOROFORM	____.____	☐ BENZENE	____.____
☐ DIBROMOCHLOROMETHANE	____.____	☐ TOLUENE	____.____
☐ BROMODICHLOROMETHANE	____.____	☐ XYLENES	____.____
☐ BROMOFORM	____.____	☐ CHLORO BENZENE	____.____
☐ TRICHLOROETHYLENE	____.____	☐ ETHYL BENZENE	____.____
ETRACHLOROETHYLENE	____.____	☐ 1,2-DICHLOROETHENE	____.____
	____.____	☐	____.____
	____.____	☐ 1,1-DICHLOROETHANE	____.____
1,1-TRICHLOROETHANE	____.____		____.____
1,2-DICHLOROETHANE	____.____		____.____
	____.____		____.____
1,2,2-TETRACHLOROETHANE	____.____		____.____
CARBON TETRACHLORIDE	____.____		____.____
	____.____		____.____

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V91 0729 V91 0729

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0729 ANALYST: JFH ANALYSIS DATE: 4/18/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.4 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: April 22, 1991 Method: EPA Method 524.2 (GC/MS

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

Chelsea	WATER SYSTEM NAME & ADDRESS Chelsea PWS	WSID

C SAMPLE
ON Press. tank #3 (from well #3) 91 APR 18 AM 8 36

F OF SAMPLE
- ROUTINE
- QUARTERLY
- MAXIMUM THM POTENTIAL
- SPECIAL _____

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
- — MG/L FREE
- — MG/L TOTAL

E SAMPLE
- SOURCE
- DISTRIBUTION
- ☐ MAXIMUM RESIDENCE TIME
- ☐ NORMAL RESIDENCE TIME
- OTHER _____

PRE-CHLORINATION
- — LBS./DAY

DATE OF SAMPLE 4/17/91

TIME 12:15 O'CLOCK AM (PM)

BY SAMPLER
duplicate

REMARKS BY LABORATORY HCl

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MAXIMUM CONTAMINANT LEVEL
ALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
CHLOROFORM	___.___	☐ BENZENE	___.___
DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
1,1-TRICHLOROETHANE	___.___		___.___
1-2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
CARBON TETRACHLORIDE	___.___	_____	___.___
V91-0730	___.___	_____	___.___

V91-0730

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

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ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0730 ANALYST: JFH ANALYSIS DATE: 4/18/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.5 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: April 22, 1991 Method: EPA Method 524.2 (GC/MS

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: pressure tank # 4 (from well #4)

91 APR 18 AM 8:36

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE: 4/17/91

TIME: 12:15 O'CLOCK AM (PM)

REMARKS BY SAMPLER: duplicate

REMARKS BY LABORATORY: HCl

RECEIVED 2 1991

L - MAXIMUM CONTAMINANT LEVEL

FOR ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
V91 0731 V91-0731	___.___		___.___

REC'D 04-18-91 TIME _____ DATE REPORTED

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

RECEIVED 22 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0731 ANALYST: JFH ANALYSIS DATE: 4/18/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.4 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: April 22, 1991 Method: EPA Method 524.2 (GC/MS

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea PWS

WSID 5633

SPECIFIC SAMPLE LOCATION Monitoring Well -2

PURPOSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE '91 APR 18 AM 8:36 P Fleckenstein

CURRENT CHLORINE RESIDUAL

- MG/L FREE
- MG/L TOTAL

TYPE OF SAMPLE

- [ ] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION

- LBS./DAY

DATE OF SAMPLE 4/17/91

TIME 12:50 O'CLOCK AM PM

REMARKS BY SAMPLER

duplicate

REMARKS BY LABORATORY HCl

RECEIVED 22 1991

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V 1-0733 V91-0733

4-18-91 TIME

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

RECEIVED 22 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0733 ANALYST: JFH ANALYSIS DATE: 4/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: April 22, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Trip Blank

WATER SYSTEM NAME & ADDRESS

WSID

SPECIFIC SAMPLE LOCATION Chelsea - Norwich - Hartford - Williamstown

91 APR 18 AM 9 20

PURPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☐ SPECIAL _____

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- ☐ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE _____

TIME 4-17-91 O'CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY TRIP BLANK

I-10 3-15-91

L - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

RECEIVED 22 1991

☐ TOTAL TRIHALOMETHANES	____.____	☐ METHYLENE CHLORIDE	____.____
☐ CHLOROFORM	____.____	☐ BENZENE	____.____
☐ DIBROMOCHLOROMETHANE	____.____	☐ TOLUENE	____.____
☐ BROMODICHLOROMETHANE	____.____	☐ XYLENES	____.____
☐ BROMOFORM	____.____	☐ CHLORO BENZENE	____.____
☐ TRICHLOROETHYLENE	____.____	☐ ETHYL BENZENE	____.____
☐ TETRACHLOROETHYLENE	____.____	☐ 1,2-DICHLOROETHENE	____.____
	____.____	☐	____.____
	____.____	☐ 1,1-DICHLOROETHANE	____.____
☐ 1,1,1-TRICHLOROETHANE	____.____		____.____
☐ 1,2-DICHLOROETHANE	____.____		____.____
	____.____		____.____
☐ 1,1,2,2-TETRACHLOROETHANE	____.____		____.____
☐ CARBON TETRACHLORIDE	____.____		____.____
	____.____		____.____

V91-0734 V91-0734

TE REC'D 4-18-91 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

RECEIVED
APR 22 1991

APR 24 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0734 ANALYST: JFH ANALYSIS DATE: 4/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: April 22, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea	WATER SYSTEM NAME & ADDRESS Chelsea '91 APR 19 PM 12 12	WSID 5638

SPECIFIC SAMPLE LOCATION monitor Well

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
- – MG/L FREE
- – MG/L TOTAL

TYPE OF SAMPLE
- ☐ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☒ OTHER

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4-19-91

TIME 10:10 O'CLOCK (AM) PM

REMARKS BY SAMPLER duplicate

REMARKS BY LABORATORY HCl

MK – MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-0756 4-19-91 TIME _____ DATE REPORTED _____

V91-0751

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0756 ANALYST: JFH ANALYSIS DATE: 04/22/91

Compound(s) Found	Amount(ppb)
Other unidentified compounds present	
NOTE: "Screen results only"	

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, Vt. 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Pre/rmt

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
- — MG/L FREE
- — MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
- — LBS./DAY

DATE OF SAMPLE: 5-15-91

TIME: 10:30 O'CLOCK AM PM

'91 MAY 16 AM 9 28

SAMPLES BY SAMPLER

REMARKS BY LABORATORY: HCl

MAXIMUM CONTAMINANT LEVEL

ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
1,1-TRICHLOROETHANE	___.___		___.___
1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
1,1,2,2-TETRACHLOROETHANE	___.___		___.___
CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

1955 V91-0955

TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0955 ANALYST: JFH ANALYSIS DATE: 05/16/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.7 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Well 4

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE: 5-15-91

TIME: 10:20 O'CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl
1 sample of 3 has numerous bubbles - rejected!

'91 MAY 16 AM 9

MCL = MAXIMUM CONTAMINANT LEVEL

ANALYSES REQUESTED — LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

91-0954 V91-0954

TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0954 ANALYST: JFH ANALYSIS DATE: 05/16/911

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea
WATER SYSTEM NAME & ADDRESS: PWS
WSID: 5638

SPECIFIC SAMPLE LOCATION: Well 3

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE: 5-15-91
TIME: 10:15 O'CLOCK (AM) PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl

'91 MAY 16 AM 8:28

MCL - MAXIMUM CONTAMINANT LEVEL
ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

21 0953 V91-0953 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0953 ANALYST: JFH ANALYSIS DATE: 05/16/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.8 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF

Chelsea

WATER SYSTEM NAME & ADDRESS PWS

WSID 5638

FIC SAMPLE ION Well 2

SAMPLER NAME & TITLE P Fleckenstein

POSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

CURRENT CHLORINE RESIDUAL

— MG/L FREE

— MG/L TOTAL

PE OF SAMPLE

- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION

— LBS./DAY

DATE OF SAMPLE 5-15-91

TIME 10:10 O'CLOCK AM PM

MARKS BY SAMPLER

REMARKS BY LABORATORY HCl

'91 MAY 16 AM 8 29

L - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

ANALYSES REQUESTED

- [ ] TOTAL TRIHALOMETHANES ___.___
- [ ] CHLOROFORM ___.___
- [ ] DIBROMOCHLOROMETHANE ___.___
- [ ] BROMODICHLOROMETHANE ___.___
- [ ] BROMOFORM ___.___
- [ ] TRICHLOROETHYLENE ___.___
- [ ] TETRACHLOROETHYLENE ___.___
- ___.___
- ___.___
- [ ] 1,1,1-TRICHLOROETHANE ___.___
- [ ] 1,2-DICHLOROETHANE ___.___
- ___.___
- [ ] 1,1,2,2-TETRACHLOROETHANE ___.___
- [ ] CARBON TETRACHLORIDE ___.___
- ___.___
- [ ] METHYLENE CHLORIDE ___.___
- [ ] BENZENE ___.___
- [ ] TOLUENE ___.___
- [ ] XYLENES ___.___
- [ ] CHLORO BENZENE ___.___
- [ ] ETHYL BENZENE ___.___
- [ ] 1,2-DICHLOROETHENE ___.___
- [ ] ___.___
- [ ] 1,1-DICHLOROETHANE ___.___
- ___.___
- ___ ___.___
- ___ ___.___
- ___ ___.___
- ___ ___.___
- ___ ___.___

RV91-0952 V91-0952 TIME ___ DATE REPORTED ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0952 ANALYST: JFH ANALYSIS DATE: 05/16/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.2 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

State of Vermont

AGENCY OF HUMAN SERVICES

VERMONT DEPARTMENT OF HEALTH
Division of Environmental Health
60 Main Street, P.O. Box 70
Burlington, Vermont 05402
Telephone: (802) 863-7220

June 3, 1991

JUN 5 1991

Mr. Ned Battey
Chelsea Water System
Town Hall Main St.
Chelsea, VT 05038

RE: WSID #5638, Volatile Organic Chemical Results

Dear Mr. Battey:

Samples of the Chelsea Water System were recently collected by the Vermont Department of Health to test for Volatile Organic Chemicals [VOC's]. Enclosed is a copy of the laboratory result form.

Analysis results indicate the presence of methyl tert-butyl ether [MTBE]. Additional samples will be taken.

Please call me at: 1-800-439-8550 or 863-7220, should you have any questions.

Sincerely,

Philip L. Jones

Philip L. Jones
Hydrogeologist

PLJ:cjs

cc: Steve LaRosa, Lincoln Applied Geology
Richard Spiese, D.E.C.

Enclosure(s)

MAY 3 1991

[illegible]ERVATION LAB MANAGEMENT [illegible]

[illegible] 05-[illegible]

PHONE: 244-0702 DATE COLLECTED: [illegible]

DATE [illegible]

[illegible] RESULTS TO [illegible]

[illegible] WATER SAMPLE [illegible]

[illegible] REQUESTED *****

[illegible] SUBMITTED FOR TESTS *****

LAB ID	SOURCE [illegible]
60519	WATTS
60521	DWA
60523	MW2
00000	
00000	
00000	
00000	
00000	
00000	
00000	
00000	

APR 30 199

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 60523
DATE RUN: 04-22-91
SITE: MW2
DATE COLLECTED: 04-22-91

ANALYST: SRL
DILUTION FACTOR: 1

REMARKS CODE 824W: Z

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....

1,2-Dichloroethane - D4: 78% D8-Toluene: 124% 4-BromoFluorobenzene: 112%

GD\VW01

APR 30 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 60524
DATE RUN: 04-22-91
SITE: MW-7
DATE COLLECTED: 04-22-91

ANALYST: SRL
DILUTION FACTOR: 1

REMARKS CODE 824W: S

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	160 E
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	160 E

REMARKS.....

SURROGATE RECOVERIES.....

1,2-Dichloroethane - D4: 76% D8-Toluene: 116% 4-BromoFluorobenzene: 102%

3D\VW01

APR 30 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 60520 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 04-22-91 DILUTION FACTOR: 1
SITE: DW2
DATE COLLECTED: 04-22-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 80% D8-Toluene: 124% 4-BromoFluorobenzene: 112%

GD\VW01

APR 30 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 60522 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 04-22-91 DILUTION FACTOR: 1
SITE: DW-3
DATE COLLECTED: 04-22-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 76% D8-Toluene: 122% 4-BromoFluorobenzene: 110%

GD\VW01

APR 30 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 60521 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 04-22-91 DILUTION FACTOR: 1
SITE: DW-4
DATE COLLECTED: 04-22-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 78% D8-Toluene: 120% 4-BromoFluorobenzene: 104%

GD\VW01

APR 30 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 60519 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 04-22-91 DILUTION FACTOR: 1
SITE: System Eff.
DATE COLLECTED: 04-22-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 76% D8-Toluene: 60% 4-BromoFluorobenzene: 108%

GD\VW01

State of Vermont

AGENCY OF HUMAN SERVICES

VERMONT DEPARTMENT OF HEALTH
Division of Environmental Health
60 Main Street, P.O. Box 70
Burlington, Vermont 05402
Telephone: (802) 863-7220

May 2, 1991

MAY 3 1991

Mr. Ned Battey
Chelsea Water Department
Chelsea, VT 05038

RE: Volatile Organic Compound Results

Dear Mr. Battey:

Samples of your drinking water were recently collected by the Vermont Department of Health to test for Volatile Organic Chemicals [VOC's]. Enclosed is a copy of the laboratory result form[s]. VOC's were detected in your water sample, additional sampling will be taken.

Pl;ease call me at: 1-800-439-8550 or 863-7220, should you have any questions.

Sincerely,

Philip L. Jones

Philip L. Jones
Hydrogeologist

PLJ:cjs

Enclosures

State of Vermont

AGENCY OF HUMAN SERVICES

VERMONT DEPARTMENT OF HEALTH
Division of Environmental Health
60 Main Street, P.O. Box 70
Burlington, Vermont 05402
Telephone: (802) 863-7220

May 2, 1991

M. Morss
Maple Street
Chelsea, VT 05038

RE: Volatile Organic Chemical Results

Dear M. Morss:

Samples of your drinking water were recently collected by the Vermont Department of Health to test for Volatile Organic Chemicals (VOC's). Enclosed is a copy of the laboratory result form. No VOC's were detected in your water sample.

Please call me at: 1-800-439-8550 OR 863-7220, should you have any questions.

Sincerely,

Philip L. Jones
Hydrogeologist

PLJ:cjs

cc: R. Spiese, D.E.C.
S. LaRosa, Lincoln Applied Geology

State of Vermont

AGENCY OF HUMAN SERVICES

VERMONT DEPARTMENT OF HEALTH
Division of Environmental Health
60 Main Street, P.O. Box 70
Burlington, Vermont 05402
Telephone: (802) 863-7220

Analysis for Volatile Organic Compounds
Chelsea Spill Investigation: Special screen Testing

Date(s) Analyzed: 04/26-27/91 Analyst: JPC

Lab. #	Date Sampled	Sample Location
V91-767	04/22/91	Combined Wells, pre-treatment
V91-768	04/22/91	Combined Wells, post-treatment
V91-769	04/22/91	Well #4
V91-770	04/22/91	Monitor Well #2
V91-771	04/22/91	Well #3
V91-772	04/22/91	Spike McCullough, Private Well
V91-773	04/22/91	Mike McCullough, Residence, Distribution
V91-774	04/22/91	Town Clerk
V91-775	04/22/91	Campbell's Garage
V91-776	04/22/91	Well #2
V91-777	04/22/91	M. Morss, Private Well
V91-778	04/22/91	Trip Blank
V91-785	04/24/91	Combined Wells, Pre-Treatment
V91-786	04/24/91	Well #4
V91-787	04/24/91	Town Clerk
V91-788	04/24/91	Well #3
V91-789	04/24/91	Campbell's Garage
V91-790	04/24/91	Combined Wells, Post-Treatment
V91-791	04/24/91	Ron Allen Residence
V91-792	04/24/91	Well #2
V91-793	04/24/91	Monitor Well #2
V91-794	04/24/91	Trip Blank

PLJ:cjs

Philip Jones

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

RECEIVED
MAY 1 1991

Analysis for Volatile Organic Compounds

Chelsea Spill Investigation: Special Screen Testing

Date(s) Analyzed: 4/26-27/91 Analyst: JPC

Lab #	MTBE	Benzene	Toluene	Xylenes
V91-767	<5	<5	<5	<5
V91-768	<5	<5	<5	<5
V91-769	<5	<5	<5	<5
V91-770	<5	<5	<5	<5
V91-771	<5	<5	<5	<5
V91-772	<5	<5	<5	<5
V91-773	<5	<5	<5	<5
V91-774	<5	<5	<5	<5
V91-775	<5	<5	<5	<5
V91-776	<5	<5	<5	<5
V91-777	<5	<5	<5	<5
V91-778	<5	<5	<5	<5
V91-785	<5	<5	<5	<5
V91-786	<5	<5	<5	<5
V91-787	<5	<5	<5	<5
V91-788	<5	<5	<5	<5
V91-789	<5	<5	<5	<5
V91-790	<5	<5	<5	<5
V91-791	<5	<5	<5	<5
V91-792	<5	<5	<5	<5
V91-793	<5	<5	<5	<5
V91-794	<5	<5	<5	<5

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 91 APR 22 PM 2 20 863-7335

TOWN	WATER SYSTEM NAME & ADDRESS	WSID
Chelsea		

SPECIFIC SAMPLE LOCATION M. Morss residence Private well

PURPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL 6 Clines

SAMPLER NAME & TITLE Phil Jones

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 4/22

TIME 10:15 O'CLOCK (AM) PM

REMARKS BY SAMPLER

for 5638 gas leak investigation

REMARKS BY LABORATORY HCl

2 with bubble

CL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

91-0777 _____ TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

VERMONT DEPARTMENT OF HEALTH
Division of Environmental Health
60 Main Street, P.O. Box 70
Burlington, Vermont 05402
Telephone: (802) 863-7220

May 2, 1991

Spike McCullough
Main Street
Chelsea, VT 05038

RE: Volatile Organic Chemical Results

Dear Mr. McCullough:

Samples of your drinking water were recently collected by the Vermont Department of Health to test for Volatile Organic Chemicals (VOC's). Enclosed is a copy of the laboratory result form. No VOC's were detected in your water sample.

Please call me at: 1-800-439-8550 OR 863-7220, should you have any questions.

Sincerely,

Philip L. Jones

Philip L. Jones
Hydrogeologist

PLJ:cjs

cc: R. Spiese, D.E.C.
S. LaRosa, Lincoln Applied Geology

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

WN Chelsea

WATER SYSTEM NAME & ADDRESS

WSID

PECIFIC SAMPLE LOCATION Spike McCullough private well

PURPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE 91 APR 22 PM 2 21

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

E OF SAMPLE

- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 4/22/91

TIME 10:05 O'CLOCK (AM) PM

ARKS BY SAMPLER

for gas leak investigation
WSID 5638

REMARKS BY LABORATORY HCl

L - MAXIMUM CONTAMINANT LEVEL
ECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

91 0772 4/4/0772 TIME _____ DATE REPORTED _____

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

WSID 5638

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS PWS

'91 APR 26 PM 1 08

SPECIFIC SAMPLE LOCATION Campbells Garage

SAMPLER NAME & TITLE P Fleckenstein

PURPOSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

CURRENT CHLORINE RESIDUAL

— MG/L FREE

— MG/L TOTAL

TYPE OF SAMPLE

- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION

— LBS./DAY

DATE OF SAMPLE 4-26-91

TIME 10:00 O'CLOCK AM PM

REMARKS BY SAMPLER

duplicate

REMARKS BY LABORATORY HCl

MCL – MAXIMUM CONTAMINANT LEVEL

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

LABORATORY REPORT

CHECK ANALYSES REQUESTED

- [ ] TOTAL TRIHALOMETHANES ___.___
- [ ] CHLOROFORM ___.___
- [ ] DIBROMOCHLOROMETHANE ___.___
- [ ] BROMODICHLOROMETHANE ___.___
- [ ] BROMOFORM ___.___
- [ ] TRICHLOROETHYLENE ___.___
- [ ] TETRACHLOROETHYLENE ___.___
- [ ] 1,1,1-TRICHLOROETHANE ___.___
- [ ] 1,2-DICHLOROETHANE ___.___
- [ ] 1,1,2,2-TETRACHLOROETHANE ___.___
- [ ] CARBON TETRACHLORIDE ___.___
- [ ] METHYLENE CHLORIDE ___.___
- [ ] BENZENE ___.___
- [ ] TOLUENE ___.___
- [ ] XYLENES ___.___
- [ ] CHLORO BENZENE ___.___
- [ ] ETHYL BENZENE ___.___
- [ ] 1,2-DICHLOROETHENE ___.___
- [ ] ___.___
- [ ] 1,1-DICHLOROETHANE ___.___

V91-0816 V91-0816

TIME

DATE REPORTED

LABORATORY DIRECTOR

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0816 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

WSID 5638

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS PWS

'91 APR 26 PM 1 08

SPECIFIC SAMPLE LOCATION Ron Allen

SAMPLER NAME & TITLE P Fleckenstein

PURPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

CURRENT CHLORINE RESIDUAL

- — MG/L FREE
- — MG/L TOTAL

TYPE OF SAMPLE

- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER

PRE-CHLORINATION

- — LBS./DAY

DATE OF SAMPLE 4-26-91

TIME 10:00 O'CLOCK AM PM

REMARKS BY SAMPLER

duplicate

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

LABORATORY REPORT

CHECK ANALYSES REQUESTED

- ☐ TOTAL TRIHALOMETHANES ___.___
- ☐ CHLOROFORM ___.___
- ☐ DIBROMOCHLOROMETHANE ___.___
- ☐ BROMODICHLOROMETHANE ___.___
- ☐ BROMOFORM ___.___
- ☐ TRICHLOROETHYLENE ___.___
- ☐ TETRACHLOROETHYLENE ___.___
- ___.___
- ___.___
- ☐ 1,1,1-TRICHLOROETHANE ___.___
- ☐ 1,2-DICHLOROETHANE ___.___
- ___.___
- ☐ 1,1,2,2-TETRACHLOROETHANE ___.___
- ☐ CARBON TETRACHLORIDE ___.___
- ___.___
- ☐ METHYLENE CHLORIDE ___.___
- ☐ BENZENE ___.___
- ☐ TOLUENE ___.___
- ☐ XYLENES ___.___
- ☐ CHLORO BENZENE ___.___
- ☐ ETHYL BENZENE ___.___
- ☐ 1,2-DICHLOROETHENE ___.___
- ☐ ___.___
- ☐ 1,1-DICHLOROETHANE ___.___
- ___.___
- ___ ___.___
- ___ ___.___
- ___ ___.___
- ___ ___.___
- ___ ___.___

DATE V91 0817 V91-0817 TIME ___ DATE REPORTED ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0817 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

91 APR 26 PM 1 09

WSID 5638

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS PWS

SPECIFIC SAMPLE LOCATION Well #2

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
- — MG/L FREE
- — MG/L TOTAL

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER

PRE-CHLORINATION
- — LBS./DAY

DATE OF SAMPLE 4-26-91

TIME 10:15 O'CLOCK (AM) PM

REMARKS BY SAMPLER
Duplicate

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

CHECK ANALYSES REQUESTED

- ☐ TOTAL TRIHALOMETHANES ___.___
- ☐ CHLOROFORM ___.___
- ☐ DIBROMOCHLOROMETHANE ___.___
- ☐ BROMODICHLOROMETHANE ___.___
- ☐ BROMOFORM ___.___
- ☐ TRICHLOROETHYLENE ___.___
- ☐ TETRACHLOROETHYLENE ___.___
- ___.___
- ___.___
- ☐ 1,1,1-TRICHLOROETHANE ___.___
- ☐ 1,2-DICHLOROETHANE ___.___
- ___.___
- ☐ 1,1,2,2-TETRACHLOROETHANE ___.___
- ☐ CARBON TETRACHLORIDE ___.___
- ___.___

- ☐ METHYLENE CHLORIDE ___.___
- ☐ BENZENE ___.___
- ☐ TOLUENE ___.___
- ☐ XYLENES ___.___
- ☐ CHLORO BENZENE ___.___
- ☐ ETHYL BENZENE ___.___
- ☐ 1,2-DICHLOROETHENE ___.___
- ☐ ___.___
- ☐ 1,1-DICHLOROETHANE ___.___
- ___.___
- ___.___
- ___.___
- ___.___
- ___.___

V91 0809 1/91-0809

TIME

DATE REPORTED

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0809 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.9 +/- 0.7
Chloroform	1.3 +/- 0.7

JUN 5 1991

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS PWS '91 APR 26 PM 1 09

WSID 5638

SPECIFIC SAMPLE LOCATION Well #3

SAMPLER NAME & TITLE P Fleckenstein

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

CURRENT CHLORINE RESIDUAL
- — MG/L FREE
- — MG/L TOTAL

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER

PRE-CHLORINATION
- — LBS./DAY

DATE OF SAMPLE 4-26-91

TIME 10:15 O'CLOCK (AM) PM

REMARKS BY SAMPLER

duplicate

REMARKS BY LABORATORY Hcl

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

QUICK ANALYSES REQUESTED

- ☐ TOTAL TRIHALOMETHANES ___.___
- ☐ CHLOROFORM ___.___
- ☐ DIBROMOCHLOROMETHANE ___.___
- ☐ BROMODICHLOROMETHANE ___.___
- ☐ BROMOFORM ___.___
- ☐ TRICHLOROETHYLENE ___.___
- ☐ TETRACHLOROETHYLENE ___.___
- ___.___
- ___.___
- ☐ 1,1,1-TRICHLOROETHANE ___.___
- ☐ 1,2-DICHLOROETHANE ___.___
- ___.___
- ☐ 1,1,2,2-TETRACHLOROETHANE ___.___
- ☐ CARBON TETRACHLORIDE ___.___
- ___.___
- ☐ METHYLENE CHLORIDE ___.___
- ☐ BENZENE ___.___
- ☐ TOLUENE ___.___
- ☐ XYLENES ___.___
- ☐ CHLORO BENZENE ___.___
- ☐ ETHYL BENZENE ___.___
- ☐ 1,2-DICHLOROETHENE ___.___
- ☐ ___.___
- ☐ 1,1-DICHLOROETHANE ___.___
- ___.___
- ___.___
- ___.___
- ___.___
- ___.___

D. V91 0810 V91-0810 TIME ___ DATE REPORTED ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0810 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.5 +/- 0.7
1,1,1-Trichloroethane	1.1 +/- 0.7

Results of testing are qualitative only due to the presence of bubbles in the sample.

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

JUN 5 1991

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS '91 APR 26 PM 1 09 | WSID 5638

SPECIFIC SAMPLE LOCATION Well # 4

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE 4-26-91

TIME 10:15 O'CLOCK (AM) PM

REMARKS BY SAMPLER Duplicate

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

CHECK ANALYSES REQUESTED

- [ ] TOTAL TRIHALOMETHANES ___.___
- [ ] CHLOROFORM ___.___
- [ ] DIBROMOCHLOROMETHANE ___.___
- [ ] BROMODICHLOROMETHANE ___.___
- [ ] BROMOFORM ___.___
- [ ] TRICHLOROETHYLENE ___.___
- [ ] TETRACHLOROETHYLENE ___.___
- [ ] 1,1,1-TRICHLOROETHANE ___.___
- [ ] 1,2-DICHLOROETHANE ___.___
- [ ] 1,1,2,2-TETRACHLOROETHANE ___.___
- [ ] CARBON TETRACHLORIDE ___.___
- [ ] METHYLENE CHLORIDE ___.___
- [ ] BENZENE ___.___
- [ ] TOLUENE ___.___
- [ ] XYLENES ___.___
- [ ] CHLORO BENZENE ___.___
- [ ] ETHYL BENZENE ___.___
- [ ] 1,2-DICHLOROETHENE ___.___
- [ ] ___.___
- [ ] 1,1-DICHLOROETHANE ___.___

V91 0811 V91-0811 TIME ___ DATE REPORTED ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0811 ANALYST: JFH ANALYSIS DATE: JUN 5 1991

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.4 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

'91 APR 26 PM 1 | SSID 5638

TOWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS

SPECIFIC SAMPLE LOCATION Combined — before filter

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
- ____ MG/L FREE
- ____ MG/L TOTAL

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER ____

PRE-CHLORINATION
____ LBS./DAY

DATE OF SAMPLE 4-26-91

TIME 10:20 O'CLOCK (AM) PM

REMARKS BY SAMPLER

Duplicate

REMARKS BY LABORATORY Hcl

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

CHECK ANALYSES REQUESTED

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91 0812 V91-0812 TIME ____ DATE REPORTED ____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS********** JUN 5 1991

LAB NUMBER: V91-0812 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.2 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

WSID 5638

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS PWS '91 APR 26 PM 1 08

SPECIFIC SAMPLE LOCATION combined - after filter

SAMPLER NAME & TITLE P Fleckenstein

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

CURRENT CHLORINE RESIDUAL
- – MG/L FREE
- – MG/L TOTAL

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER

PRE-CHLORINATION
- – LBS./DAY

DATE OF SAMPLE 4-26-91

TIME 10:20 O'CLOCK (AM) PM

REMARKS BY SAMPLER duplicate chlorinated

REMARKS BY LABORATORY Hcl

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

CHECK ANALYSES REQUESTED

- ☐ TOTAL TRIHALOMETHANES ___.___
- ☐ CHLOROFORM ___.___
- ☐ DIBROMOCHLOROMETHANE ___.___
- ☐ BROMODICHLOROMETHANE ___.___
- ☐ BROMOFORM ___.___
- ☐ TRICHLOROETHYLENE ___.___
- ☐ TETRACHLOROETHYLENE ___.___
- ___.___
- ___.___
- ☐ 1,1,1-TRICHLOROETHANE ___.___
- ☐ 1,2-DICHLOROETHANE ___.___
- ___.___
- ☐ 1,1,2,2-TETRACHLOROETHANE ___.___
- ☐ CARBON TETRACHLORIDE ___.___
- ___.___
- ☐ METHYLENE CHLORIDE ___.___
- ☐ BENZENE ___.___
- ☐ TOLUENE ___.___
- ☐ XYLENES ___.___
- ☐ CHLORO BENZENE ___.___
- ☐ ETHYL BENZENE ___.___
- ☐ 1,2-DICHLOROETHENE ___.___
- ☐ ___.___
- ☐ 1,1-DICHLOROETHANE ___.___
- ___.___
- ___.___
- ___.___
- ___.___
- ___.___

V91-0813 V91-0813

TIME

DATE REPORTED

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0813 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

WSID 5638

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS Chelsea PWS ~~91 APR 26 PM 1 08~~

SPECIFIC SAMPLE LOCATION town Clerk (Chelsea insurance - next door)

SAMPLER NAME & TITLE P Fleckenstein

PURPOSE OF SAMPLE

- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 4/26/91

TIME 10:40 O'CLOCK (AM) PM

REMARKS BY SAMPLER

duplicate

REMARKS BY LABORATORY Hcl

MCL - MAXIMUM CONTAMINANT LEVEL

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

LABORATORY REPORT

CHECK ANALYSES REQUESTED

- ☐ TOTAL TRIHALOMETHANES ____.____
- ☐ CHLOROFORM ____.____
- ☐ DIBROMOCHLOROMETHANE ____.____
- ☐ BROMODICHLOROMETHANE ____.____
- ☐ BROMOFORM ____.____
- ☐ TRICHLOROETHYLENE ____.____
- ☐ TETRACHLOROETHYLENE ____.____
- ____.____
- ____.____
- ☐ 1,1,1-TRICHLOROETHANE ____.____
- ☐ 1,2-DICHLOROETHANE ____.____
- ____.____
- ☐ 1,1,2,2-TETRACHLOROETHANE ____.____
- ☐ CARBON TETRACHLORIDE ____.____
- ____.____

- ☐ METHYLENE CHLORIDE ____.____
- ☐ BENZENE ____.____
- ☐ TOLUENE ____.____
- ☐ XYLENES ____.____
- ☐ CHLORO BENZENE ____.____
- ☐ ETHYL BENZENE ____.____
- ☐ 1,2-DICHLOROETHENE ____.____
- ☐ ____.____
- ☐ 1,1-DICHLOROETHANE ____.____
- ____.____
- _____ ____.____
- _____ ____.____
- _____ ____.____
- _____ ____.____
- _____ ____.____

V91-0814 V91-0814 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

JUN 5 1991

LAB NUMBER: V91-0814 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS '91 APR 26 PM 1 08 | WSID 5638

SPECIFIC SAMPLE LOCATION Monitoring Well #2

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE P F Leckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
< MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [x] OTHER

PRE-CHLORINATION
< LBS./DAY

DATE OF SAMPLE 4-26-91
TIME 10:45 O'CLOCK (AM) PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY Hcl

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

CHECK ANALYSES REQUESTED

- [ ] TOTAL TRIHALOMETHANES ___.___
- [ ] CHLOROFORM ___.___
- [ ] DIBROMOCHLOROMETHANE ___.___
- [ ] BROMODICHLOROMETHANE ___.___
- [ ] BROMOFORM ___.___
- [ ] TRICHLOROETHYLENE ___.___
- [ ] TETRACHLOROETHYLENE ___.___
- [ ] ___.___
- [ ] ___.___
- [ ] 1,1,1-TRICHLOROETHANE ___.___
- [ ] 1,2-DICHLOROETHANE ___.___
- [ ] ___.___
- [ ] 1,1,2,2-TETRACHLOROETHANE ___.___
- [ ] CARBON TETRACHLORIDE ___.___
- [ ] ___.___
- [ ] METHYLENE CHLORIDE ___.___
- [ ] BENZENE ___.___
- [ ] TOLUENE ___.___
- [ ] XYLENES ___.___
- [ ] CHLORO BENZENE ___.___
- [ ] ETHYL BENZENE ___.___
- [ ] 1,2-DICHLOROETHENE ___.___
- [ ] ___.___
- [ ] 1,1-DICHLOROETHANE ___.___
- ___.___
- ___.___
- ___.___
- ___.___
- ___.___

DATE V91-0815 V91-0815 TIME ___ DATE REPORTED ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0815 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	0.7 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MAY 4 1991

DEPT. OF ENVIRONMENTAL CONSERVATION LAB MANAGEMENT SYSTEM
REGULAR SAMPLE LOG-IN

UBMITTED BY: RFS PHONE: 244-8702 DATE COLLECTED: 04/29/91

REQUIRED COMPLETION DATE: 05/30/91 DATE SUBMITTED: 04/30/91

ROGRAM CODE: 041 REPORT RESULTS TO: RICHARD SPIESE

EGAL SAMPLE (Y/N): N AMBIENT WATER SAMPLE (Y/N): Y

***** TESTS REQUESTED *****

24W

***** SAMPLES SUBMITTED FOR TESTS *****

LAB ID	SOURCE LOCATION	LAB ID	SOURCE LOCATION
60782	CHELSEA DW EFF	60783	MW2
60784	MW7	60785	DW3
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	

MAY 03 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 60782 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 04-30-91 DILUTION FACTOR: 1
SITE: Chelsea DW Eff.
DATE COLLECTED: 04-29-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 92% D8-Toluene: 88% 4-BromoFluorobenzene: 92%

GD\VW01

MAY 03 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 60783 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 04-30-91 DILUTION FACTOR: 1
SITE: MW2
DATE COLLECTED: 04-29-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 92% D8-Toluene: 88% 4-BromoFluorobenzene: 92%

GD\VW01

MAY 03 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 60784 ANALYST: SRL REMARKS CODE 824W: S
DATE RUN: 04-30-91 DILUTION FACTOR: 2
SITE: MW7
DATE COLLECTED: 04-29-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinylchloride	20	ND
VW08	Chloromethane	20	ND
VW09	Bromomethane	20	ND
VW10	Chloroethane	20	ND
VW11	Trichlorofluoromethane	20	ND
VW12	Acetone	100	ND
VW13	1,1-Dichloroethene	4	ND
VW14	Carbondisulfide	4	ND
VW15	Methylene Chloride	4	ND
VW16	Methyl-t-Butylether (MTBE)	20	94 E
VW17	1,2-Dichloroethene	4	ND
VW18	1,1-Dichloroethane	4	ND
VW19	Vinyl Acetate	100	ND
VW20	2-Butanone	100	ND
VW21	Chloroform	4	ND
VW22	1,1,1-Trichloroethane	4	ND
VW23	Carbon Tetrachloride	4	ND
VW24	Benzene	4	ND
VW25	1,2-Dichloroethane	4	ND
VW26	Trichloroethene	4	ND
VW27	1,2-Dichloropropane	4	ND
VW28	Bromodichloromethane	4	ND
VW29	4-Methyl-2-Pentanone	40	ND
VW30	Cis-1,3-Dichloropropene	4	ND
VW31	Toluene	4	ND
VW32	Trans-1,3-Dichloropropene	4	ND
VW33	1,1,2-Trichloroethane	4	ND
VW34	2-Hexanone	40	ND
VW35	Tetrachloroethene	4	ND
VW36	Dibromochloromethane	4	ND
VW37	Chlorobenzene	4	ND
VW38	Ethylbenzene	4	ND
VW39	Xylenes	4	ND
VW40	Styrene	4	ND
VW41	Bromoform	4	ND
VW42	1,1,2,2,-Tetrachloroethane	4	ND
TVH	Total Volatile Hydrocarbons	200	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 92% D8-Toluene: 80% 4-BromoFluorobenzene: 88%

GD\VW02

MAY 03 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 60785 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 04-30-91 DILUTION FACTOR: 1
SITE: DW3
DATE COLLECTED: 04-29-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 96% D8-Toluene: 84% 4-BromoFluorobenzene: 92%

GD\VW01

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea B.W.D

WSID: 5638

'91 APR 29 PM 4 20

SPECIFIC SAMPLE LOCATION: ~~[illegible]~~ campbells garage

SAMPLER NAME & TITLE: P Jones

PURPOSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE: 4/29/91

TIME: 12:45 O'CLOCK AM (PM)

REMARKS BY SAMPLER: gas leak investigation

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

CHECK ANALYSES REQUESTED

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
V91-0827	___.___		___.___

DATE REC'D: V91 0827

TIME: _____

DATE REPORTED: _____

LABORATORY DIRECTOR: _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0827 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

OWN Chelsea | WATER SYSTEM NAME & ADDRESS Chelsea PWS | WSID 563

SPECIFIC SAMPLE LOCATION Ron Allen residence

APR 29 PM 4 21

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4/29
TIME 11:45 O'CLOCK (AM) PM

REMARKS BY SAMPLER
gas leak investigation

REMARKS BY LABORATORY HCl
Reject 1 - air bubbles

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
V91-0834	___.___		___.___

DATE REC'D _____ V91 0834 TIME _____ DATE REPORTED _____

LAB NUMBER

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0834 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

JUN 5 1991

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: chelsea

WATER SYSTEM NAME & ADDRESS: chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: monitor well 7

'91 APR 29 PM 4 20

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: '91 APR 29 PM 4 20

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [x] OTHER monitor well

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4/29/91

TIME 12:40 O'CLOCK AM (PM)

REMARKS BY SAMPLER: gas leak investigation

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	____.____	[ ] METHYLENE CHLORIDE	____.____
[ ] CHLOROFORM	____.____	[ ] BENZENE	____.____
[ ] DIBROMOCHLOROMETHANE	____.____	[ ] TOLUENE	____.____
[ ] BROMODICHLOROMETHANE	____.____	[ ] XYLENES	____.____
[ ] BROMOFORM	____.____	[ ] CHLORO BENZENE	____.____
[ ] TRICHLOROETHYLENE	____.____	[ ] ETHYL BENZENE	____.____
[ ] TETRACHLOROETHYLENE	____.____	[ ] 1,2-DICHLOROETHENE	____.____
	____.____	[ ]	____.____
	____.____	[ ] 1,1-DICHLOROETHANE	____.____
[ ] 1,1,1-TRICHLOROETHANE	____.____		____.____
[ ] 1,2-DICHLOROETHANE	____.____	_____	____.____
	____.____	_____	____.____
[ ] 1,1,2,2-TETRACHLOROETHANE	____.____	_____	____.____
[ ] CARBON TETRACHLORIDE	____.____	_____	____.____
V91-0826	____.____	_____	____.____

DATE REC'D V91-0826 _____ TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0826 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	215 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea WD

WSID: 5638

SPECIFIC SAMPLE LOCATION: Monitor well # 2

'91 APR 29 PM 4 20

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [X] SPECIAL

SAMPLER NAME & TITLE: P Jong

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [X] OTHER Monitor well

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4/29/91

TIME 12:30 O'CLOCK AM (PM)

REMARKS BY SAMPLER
gas leak investigation

REMARKS BY LABORATORY HCl
1 sample rejected - air bubbles. SAB

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
V91-0828	___.___	_____	___.___

DATE REC'D V91 0828 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0828 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: pre treatment, combined ~~well~~ 91 APR 29 PM 4 21

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE: P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 4/29

TIME: 12:15 O'CLOCK AM (PM)

REMARKS BY SAMPLER: gas leak investigation

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
V91-0830	___.___	_____	___.___

DATE REC'D V91 0830 TIME _____ DATE REPORTED _____

LABORATORY DIRECTOR

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0830 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount (ppb)
Methyl tert-butyl ether	2.6 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

WN Chelsea	WATER SYSTEM NAME & ADDRESS Chelsea W.D	WSID 5638

SPECIFIC SAMPLE LOCATION well #4

'91 APR 29 PM 4:21

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 4/29

TIME 12:12 O'CLOCK AM (PM)

REMARKS BY SAMPLER
gas leak investigation

REMARKS BY LABORATORY HCl
Reject 2 - air bubbles

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
V91-0831	___.___	_____	___.___

DATE REC'D V91-0831 - V91-0831 DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0831 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

OWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea W.D.

WSID: 5638

SPECIFIC SAMPLE LOCATION: well #3

'91 APR 29 PM 4 21

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE: P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 4/29/91

TIME: 12:10 O'CLOCK AM (PM)

REMARKS BY SAMPLER: gas leak investigation

REMARKS BY LABORATORY: HCl
1 Sample rejected - air bubbles.

CL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
V91-0832	___.___	_____	___.___

DATE REC'D _____ V91-0832 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0832 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: well # 2

'91 APR 29 PM 4 21

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE: P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 4/29

TIME: 12 O'CLOCK AM (PM)

REMARKS BY SAMPLER: gas leak investigation

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
V91-0833	___.___	_____	___.___

DATE REC'D _____ V91 0833 TIME _____ DATE REPORTED _____

LABORATORY DIRECTOR

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0833 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.1 +/- 0.7
Cloroform	1.2 +/- 0.7 (uncomfirmed)

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Well #2

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/1/91

TIME: 3:05 O'CLOCK AM (PM)

REMARKS BY SAMPLER: 3 bot.

REMARKS BY LABORATORY: HCl

'91 MAY 2 PM 1 42

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

V91-0853 V91-0853 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0853 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.1 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

WN Chelsea

WATER SYSTEM NAME & ADDRESS PWS

WSID 5638

SPECIFIC SAMPLE LOCATION Well #3

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE P. Fleckenstein

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5/1/91

TIME 3:05 O'CLOCK AM (PM)

REMARKS BY SAMPLER
3 bot.

REMARKS BY LABORATORY HCl

'91 MAY 2 PM 4:3

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

V91 0854 V91-0854 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0854 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.8 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS | WSID 5638

SPECIFIC SAMPLE LOCATION Well #4

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
____ MG/L FREE
____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER ____

PRE-CHLORINATION
____ LBS./DAY

DATE OF SAMPLE 5/1/91
TIME 3:05 O'CLOCK AM (PM)

REMARKS BY SAMPLER
3 bot.

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-0855 V91-0855 TIME ____ DATE REPORTED ____

91 MAY 2 PM 1

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0855 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.8 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Combined – before filter

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/1/91

TIME: 3:25 O'CLOCK AM PM

REMARKS BY SAMPLER: 3 bot.

REMARKS BY LABORATORY: HCl

91 MAY 2 AM 1 46

MCL – MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91 0856 V91-0856

TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0856 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.6 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea | WATER SYSTEM NAME & ADDRESS: PWS | WSID: 5638

SPECIFIC SAMPLE LOCATION: Town Clerk

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL EC/MS

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5/1/91

TIME 2:50 O'CLOCK AM (PM)

'91 MAY 2 PM 1 39

REMARKS BY SAMPLER: 3 bot.

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

V91 0850 V91-0850 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0850 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Monitoring Well #2

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
- ____ MG/L FREE
- ____ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [x] OTHER Monitoring Well

PRE-CHLORINATION
____ LBS./DAY

DATE OF SAMPLE 5/1/91

TIME 3:50 O'CLOCK AM (PM)

REMARKS BY SAMPLER: 3 bot.

REMARKS BY LABORATORY: HCl

'91 MAY 2 PM 1 42

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-0852 1/91-0852 TIME ____ DATE REPORTED ____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0852 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

OWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS | WSID 5638

SPECIFIC SAMPLE LOCATION Combined – after filter

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5/1/91

TIME 3:25 O'CLOCK AM PM

REMARKS BY SAMPLER
3 bot. chlorinated

REMARKS BY LABORATORY HCl

MCL – MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
☐ CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

V91 0857 V91-0857 TIME _____ DATE REPORTED _____

91 MAY 2 PM 1 46

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0857 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

OWN Chelsea

WATER SYSTEM NAME & ADDRESS PWS

WSID 5638

SPECIFIC SAMPLE LOCATION Campbells Garage

PURPOSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL

— MG/L FREE

— MG/L TOTAL

TYPE OF SAMPLE

- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION

— LBS./DAY

DATE OF SAMPLE ~~2:45~~ 5/1/91

TIME 2:45 O'CLOCK AM (PM)

REMARKS BY SAMPLER

3 bot.

REMARKS BY LABORATORY HCl

1 sample with bubble

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91 0858 V91-0858 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0858 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 803-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Ron Allen

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
- ___ MG/L FREE
- ___ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER ___

PRE-CHLORINATION
- ___ LBS./DAY

DATE OF SAMPLE: 5/1/91

TIME: 2:40 O'CLOCK AM (PM)

REMARKS BY SAMPLER: 3 bot.

REMARKS BY LABORATORY: HCl

'91 MAY 2 PM 1 40

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91 0851 V91-0851

TIME ___ DATE REPORTED ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0851 ANALYST: JFH ANALYSIS DATE: JUN 5 1991

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

OWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS | WSID 5638

SPECIFIC SAMPLE LOCATION Monitoring Well #2

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
- ____ MG/L FREE
- ____ MG/L TOTAL

TYPE OF SAMPLE
- ☐ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☒ OTHER Mon. Well

PRE-CHLORINATION
____ LBS./DAY

DATE OF SAMPLE 5-3-91

TIME 11:15 O'CLOCK AM PM

REMARKS BY SAMPLER
3 bot.

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-0862 V91-0862 TIME ____ DATE REPORTED ____

LABORATORY DIRECTOR

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0862 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Unidentified compound detected	
Possible hydrocarbon contamination	

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: combined - pre-treatment

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
- ____ MG/L FREE
- ____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER ____

PRE-CHLORINATION
- ____ LBS./DAY

DATE OF SAMPLE: 5-3-91

TIME: 10:45 O'CLOCK (AM) PM

REMARKS BY SAMPLER: 3 bot.

REMARKS BY LABORATORY: HCl

91 MAY 3 PM 1:81

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	____	___.___
	___.___	____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	____	___.___
[ ] CARBON TETRACHLORIDE	___.___	____	___.___
	___.___	____	___.___

91-0863 V91-0863 TIME ____ DATE REPORTED ____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0863 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.9 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

OWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: combined post-treatment

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL 6-C/MS

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5-3-91

TIME: 10:45 O'CLOCK (AM) PM

REMARKS BY SAMPLER: 3 bot.

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

CHECK ANALYSES REQUESTED

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

V91-0864 V91-0864

TIME _____ DATE REPORTED _____

LABORATORY DIRECTOR

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0864 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2. (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: town clerk

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
- ~ MG/L FREE
- ~ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION: ~ LBS./DAY

DATE OF SAMPLE: 5-3-91

TIME: 11:25 O'CLOCK (AM) PM

REMARKS BY SAMPLER: 3 bot.

REMARKS BY LABORATORY: HCl

'91 MAY 3 PM 1:32

ML - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

DATE REC'D V91 0865 V91-0865 TIME ____ DATE REPORTED ____

LABORATORY DIRECTOR

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0865 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

JUN 5 1991

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Well #2

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5-3-91

TIME: 10:30 O'CLOCK (AM) CBM

REMARKS BY SAMPLER: 3 bot.

REMARKS BY LABORATORY: HCl

One bottle has a bubble

'91 MAY 3 PM 1 02

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

V91-0866 V91-0866 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0866 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.4 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

OWN Chelsea	WATER SYSTEM NAME & ADDRESS PWS	WSID 5638

SPECIFIC SAMPLE LOCATION Well #3

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

'91 MAY 3 PM 1:32

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5-3-91

TIME 10:30 O'CLOCK AM PM

REMARKS BY SAMPLER
3 bot.

REMARKS BY LABORATORY HCl

MCL – MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91 0867 V91 0867 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0867 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.3 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS | WSID 5638

SPECIFIC SAMPLE LOCATION Well # 4

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5-3-91
TIME 10:30 O'CLOCK AM PM

'91 MAY 3 PM 1:32

REMARKS BY SAMPLER
3 bot.

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-0868 ~~V91-0868~~ TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0868 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.0 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

5/5/91

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0882 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, Vt. 05402-0070 863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5633

SPECIFIC SAMPLE LOCATION: post-treatment

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL P-C/MS

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [x] OTHER Combined wells

PRE-CHLORINATION chlorinated
_____ LBS./DAY

DATE OF SAMPLE 5/5/91

TIME 11:10 O'CLOCK AM PM

REMARKS BY SAMPLER
gas leak investigation

REMARKS BY LABORATORY

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

TE V91-0882 V91-0882 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0884 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638-

SPECIFIC SAMPLE LOCATION: Monitor well #2 (MW#2)

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [x] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/15/91

TIME: 11:20 O'CLOCK (AM) PM

REMARKS BY SAMPLER: gas leak investigation well not purged

REMARKS BY LABORATORY

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

DATE V91-0884 V91-0884 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0885 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.5 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070 863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: well # 4

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5/5/91

TIME 10:55 O'CLOCK (AM) PM

REMARKS BY SAMPLER
gas leak investigation

REMARKS BY LABORATORY

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

CHECK ANALYSES REQUESTED

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

DATE V01 0885 V91-0885 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0886 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.5 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070 863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: chelsea

WATER SYSTEM NAME & ADDRESS: chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: well #2

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5/5/91

TIME 10:50 O'CLOCK (AM) PM

REMARKS BY SAMPLER
gas leak investigation

REMARKS BY LABORATORY

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

CHECK ANALYSES REQUESTED

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

TE VOL 0886 V91-0886 TIME _____ DATE REPORTED _____

MAY 29 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61463 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-21-91 DILUTION FACTOR: 1
SITE: T.B.
DATE COLLECTED: 05-20-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 96% D8-Toluene: 94% 4-BromoFluorobenzene: 82%

GD\VW01

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070 863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: chelsea

WSID: 5638

SPECIFIC SAMPLE LOCATION: well # 3

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL GC/MS

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5/5/91

TIME 10:52 O'CLOCK AM PM

REMARKS BY SAMPLER
gas leak investigation

REMARKS BY LABORATORY

MCL - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

CHECK ANALYSES REQUESTED

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

T V01 0887 V91-0887 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0883 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070 863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Ron Allen residence, off 3" PVC main

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL GC/MS

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
- _____ MG/L FREE
- _____ MG/L TOTAL

TYPE OF SAMPLE
- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION: chlorinated
_____ LBS./DAY

DATE OF SAMPLE: 5/5/91

TIME: 11:25 O'CLOCK (AM) PM

REMARKS BY SAMPLER: gas leak investigation

REMARKS BY LABORATORY:

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

DATE V91 0883 1/91-0883 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0881 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.9 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea | WATER SYSTEM NAME & ADDRESS Chelsea PWS | WSID 5638

SPECIFIC SAMPLE LOCATION pre-Treatment

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL PC/MS

SAMPLER NAME & TITLE P Jones

CURRENT CHLORINE RESIDUAL
- _____ MG/L FREE
- _____ MG/L TOTAL

TYPE OF SAMPLE
- ☐ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☒ OTHER combined wells.

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5/8/91
TIME 11:05 O'CLOCK (AM) PM

REMARKS BY SAMPLER
gas leak investigation

REMARKS BY LABORATORY

CL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

DATE REC'D 0881 1/9/0881 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0957 ANALYST: JFH ANALYSIS DATE: 05/16/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, Vt. 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

OWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS | WSID 5638

ECIFIC SAMPLE CATION Ron Allen

RPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

'91 MAY 16 AM 8:61

E OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5-15-91
TIME 10:50 O'CLOCK (AM) PM

RKS BY SAMPLER

REMARKS BY LABORATORY HCl

- MAXIMUM CONTAMINANT LEVEL
ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
1,1,1-TRICHLOROETHANE	___.___		___.___
1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
1,1,2,2-TETRACHLOROETHANE	___.___		___.___
CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

1957 91-0957 TIME _____ DATE REPORTED _____

MAY 06 1991

MAY 14 1991

DEPT. OF ENVIRONMENTAL CONSERVATION LAB MANAGEMENT SYSTEM

REGULAR SAMPLE LOG-IN

'UBMITTED BY: J/ROBIDEAU PHONE: 453-4061 DATE COLLECTED: 05/06/91

REQUIRED COMPLETION DATE: 06/06/91 DATE SUBMITTED: 05/06/91

PROGRAM CODE: 042 REPORT RESULTS TO: R/SPIESE

.EGAL SAMPLE (Y/N): N AMBIENT WATER SAMPLE (Y/N): Y

***** TESTS REQUESTED *****

)24W

***** SAMPLES SUBMITTED FOR TESTS *****

LAB ID	SOURCE LOCATION	LAB ID	SOURCE LOCATION
61050	CAMPBELL MW7	61051	CAMPBELL DW4
61052	CAMPBELL EFFLUENT DW	61053	CAMPBELL MW2
61054	CAMPBELL TRIP	00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY

MAY 03 199

DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61050 ANALYST: SRL REMARKS CODE 824W: S

DATE RUN: 05-06-91 DILUTION FACTOR: 2

SITE: Campbell MW-7

DATE COLLECTED: 05-06-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinylchloride	20	ND
VW08	Chloromethane	20	ND
VW09	Bromomethane	20	ND
VW10	Chloroethane	20	ND
VW11	Trichlorofluoromethane	20	ND
VW12	Acetone	100	ND
VW13	1,1-Dichloroethene	4	ND
VW14	Carbondisulfide	4	ND
VW15	Methylene Chloride	4	ND
VW16	Methyl-t-Butylether (MTBE)	20	132 E
VW17	1,2-Dichloroethene	4	ND
VW18	1,1-Dichloroethane	4	ND
VW19	Vinyl Acetate	100	ND
VW20	2-Butanone	100	ND
VW21	Chloroform	4	ND
VW22	1,1,1-Trichloroethane	4	ND
VW23	Carbon Tetrachloride	4	ND
VW24	Benzene	4	ND
VW25	1,2-Dichloroethane	4	ND
VW26	Trichloroethene	4	ND
VW27	1,2-Dichloropropane	4	ND
VW28	Bromodichloromethane	4	ND
VW29	4-Methyl-2-Pentanone	40	ND
VW30	Cis-1,3-Dichloropropene	4	ND
VW31	Toluene	4	ND
VW32	Trans-1,3-Dichloropropene	4	ND
VW33	1,1,2-Trichloroethane	4	ND
VW34	2-Hexanone	40	ND
VW35	Tetrachloroethene	4	ND
VW36	Dibromochloromethane	4	ND
VW37	Chlorobenzene	4	ND
VW38	Ethylbenzene	4	ND
VW39	Xylenes	4	ND
VW40	Styrene	4	ND
VW41	Bromoform	4	ND
VW42	1,1,2,2,-Tetrachloroethane	4	ND
TVH	Total Volatile Hydrocarbons	200	ND

REMARKS.....

SURROGATE RECOVERIES.....

1,2-Dichloroethane - D4: 88% D8-Toluene: 92% 4-BromoFluorobenzene: 84%

GD\VW02

MAY 09 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 61051 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-07-91 DILUTION FACTOR: 1
SITE: Campbell DW-4
DATE COLLECTED: 05-06-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 92% D8-Toluene: 96% 4-BromoFluorobenzene: 92%

GD\VW01

MAY 09 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 61052 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-06-91 DILUTION FACTOR: 1
SITE: Campbell Effluent
DATE COLLECTED: 05-06-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 92% D8-Toluene: 92% 4-BromoFluorobenzene: 84%

GD\VW01

MAY 09 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 61053 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-06-91 DILUTION FACTOR: 1
SITE: Campbell MW-2
DATE COLLECTED: 05-06-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 88% D8-Toluene: 96% 4-BromoFluorobenzene: 92%

GD\VW01

MAY 09 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 61054 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-06-91 DILUTION FACTOR: 1
SITE: T.B.
DATE COLLECTED: 05-06-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 92% D8-Toluene: 92% 4-BromoFluorobenzene: 88%

GD\VW01

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: LAG
PROJECT NAME: Campbells
REPORT DATE: May 20, 1991
SAMPLER: James
DATE SAMPLED: May 13, 1991
DATE RECEIVED: May 13, 1991

ANALYSIS DATE: May 17, 1991
STATION: RW-1
REF.#: 19,675
TIME SAMPLED: 11:50

Parameter	Concentration (ug/L)
Benzene	324.
Toluene	349.
Ethylbenzene	7.93
Xylenes	294.
MTBE	243.

NUMBER OF UNIDENTIFIED PEAKS FOUND: 20

MAY 22 1991

Reviewed by Suzanne M Fenlon

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

OWN Chelsea	WATER SYSTEM NAME & ADDRESS PWS	WSID AM-96138
CIFIC SAMPLE OCATION Monitoring Well #2	'91 MAY 9	

POSE OF SAMPLE ☐ ROUTINE ☐ QUARTERLY ☐ MAXIMUM THM POTENTIAL ☒ SPECIAL _____	SAMPLER NAME & TITLE P Fleckenstein CURRENT CHLORINE RESIDUAL — MG/L FREE — MG/L TOTAL
OF SAMPLE ☐ SOURCE ☐ DISTRIBUTION ☐ MAXIMUM RESIDENCE TIME ☐ NORMAL RESIDENCE TIME ☒ OTHER Monitoring Well	PRE-CHLORINATION — LBS./DAY DATE OF SAMPLE 5-8-91 TIME 1:20 O'CLOCK AM (PM)
KS BY SAMPLER	REMARKS BY LABORATORY HCl

MAXIMUM CONTAMINANT LEVEL ANALYSES REQUESTED — LABORATORY REPORT — MG/L = MILLIGRAMS PER LITER, PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
V91-0910	___.___		___.___

D V91 0910 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0910 ANALYST: JFH ANALYSIS DATE: 05/15/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

WN Chelsea | WATER SYSTEM NAME & ADDRESS PWS | WSID 5638

SPECIFIC SAMPLE LOCATION Well 3

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE May 9 AM 9-10 / Eckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE 5-8-91
TIME 12:45 O'CLOCK AM (PM)

REMARKS BY SAMPLER

REMARKS BY LABORATORY HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
V91-0905	___.___		___.___

DATE REC'D V91-0905 TIME ___ DATE REPORTED ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0905 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.2 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

WN: Chelsea
WATER SYSTEM NAME & ADDRESS: PWS
WSID: 5638

SPECIFIC SAMPLE LOCATION: Well 2

'91 MAY 9 AM 9 10

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE: P Heckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE: 5-8-91
TIME: 12:45 O'CLOCK AM (PM)

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl
2 rejected bubbles - KTR

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
V91-0906	___.___	_____	___.___

V91 0906

TE REC'D _____ TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0906 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.6 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea
WATER SYSTEM NAME & ADDRESS: PWS
WSID: 5638
SPECIFIC SAMPLE LOCATION: Well 4

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Heckenstein
91 MAY 9 AM 9 11

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE: 5-8-91
TIME: 12:45 O'CLOCK AM (PM)

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
V91-0908	___.___		___.___

DATE REC'D: V91-0908 TIME: ___ DATE REPORTED: ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0908 ANALYST: JFH ANALYSIS DATE:

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.9 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, Vt. 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea | WATER SYSTEM NAME & ADDRESS: PWS | WSID: 5638

SPECIFIC SAMPLE LOCATION: Post trmt

'91 MAY 9 AM 9 11

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
yes MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE 5-8-91
TIME 1:00 O'CLOCK AM (PM)

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-0909

V91 0909

DATE REC'D ___ TIME ___ DATE REPORTED ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0909 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea | WATER SYSTEM NAME & ADDRESS: PWS | WSID: 5638

SPECIFIC SAMPLE LOCATION: Ron Allen

91 MAY -9 AM 9 10

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE: 5-8-91
TIME: 12:30 O'CLOCK AM (PM)

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-0907

V91 0907

DATE REC'D ____ TIME ____ DATE REPORTED ____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

JUN 5 1991

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0907 ANALYST: JFH ANALYSIS DATE:

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 14, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

DEPT. OF ENVIRONMENTAL CONSERVATION LAB MANAGEMENT SYSTEM

REGULAR SAMPLE LOG-IN

SUBMITTED BY: J/R OBIDEAU PHONE: 453-4384 DATE COLLECTED: 05/13/91

EQUIRED COMPLETION DATE: 06/13/91 DATE SUBMITTED: 05/13/91

PROGRAM CODE: 042 REPORT RESULTS TO: R/SPIESE

LEGAL SAMPLE (Y/N): N AMBIENT WATER SAMPLE (Y/N): Y

***** TESTS REQUESTED *****

824W

***** SAMPLES SUBMITTED FOR TESTS *****

LAB ID	SOURCE LOCATION	LAB ID	SOURCE LOCATION
61341	CAMPBELLS DW3	61342	CAMPBELLS EFFLUENT
61343	CAMPBELLS MW2	61344	CAMPBELLS MW7
61345	CAMPBELLS TRIP	00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	

MAY 18 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

MAY 1 3 1991

SAMPLE NUMBER: 61341
DATE RUN: 05-13-91
SITE: Campbell's DW3
DATE COLLECTED: 5-13-91

ANALYST: SRL
DILUTION FACTOR: 1

REMARKS CODE 824W: Z

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....

1,2-Dichloroethane - D4: 116% D8-Toluene: 124% 4-BromoFluorobenzene: 108%

GD\VW01

MAY 1 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61342 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-13-91 DILUTION FACTOR: 1
SITE: Effluent
DATE COLLECTED: 05-13-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 108% D8-Toluene: 116% 4-BromoFluorobenzene: 104%

GD\VW01

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61343 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-13-91 DILUTION FACTOR: 1
SITE: MW2
DATE COLLECTED: 05-13-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 112% D8-Toluene: 120% 4-BromoFluorobenzene: 104%

GD\VW01

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61344 ANALYST: SRL REMARKS CODE 824W: S
DATE RUN: 05-13-91 DILUTION FACTOR: 2
SITE: MW7
DATE COLLECTED: 05-13-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinylchloride	20	ND
VW08	Chloromethane	20	ND
VW09	Bromomethane	20	ND
VW10	Chloroethane	20	ND
VW11	Trichlorofluoromethane	20	ND
VW12	Acetone	100	ND
VW13	1,1-Dichloroethene	4	ND
VW14	Carbondisulfide	4	ND
VW15	Methylene Chloride	4	ND
VW16	Methyl-t-Butylether (MTBE)	20	52 E
VW17	1,2-Dichloroethene	4	ND
VW18	1,1-Dichloroethane	4	ND
VW19	Vinyl Acetate	100	ND
VW20	2-Butanone	100	ND
VW21	Chloroform	4	ND
VW22	1,1,1-Trichloroethane	4	ND
VW23	Carbon Tetrachloride	4	ND
VW24	Benzene	4	ND
VW25	1,2-Dichloroethane	4	ND
VW26	Trichloroethene	4	ND
VW27	1,2-Dichloropropane	4	ND
VW28	Bromodichloromethane	4	ND
VW29	4-Methyl-2-Pentanone	40	ND
VW30	Cis-1,3-Dichloropropene	4	ND
VW31	Toluene	4	ND
VW32	Trans-1,3-Dichloropropene	4	ND
VW33	1,1,2-Trichloroethane	4	ND
VW34	2-Hexanone	40	ND
VW35	Tetrachloroethene	4	ND
VW36	Dibromochloromethane	4	ND
VW37	Chlorobenzene	4	ND
VW38	Ethylbenzene	4	ND
VW39	Xylenes	4	ND
VW40	Styrene	4	ND
VW41	Bromoform	4	ND
VW42	1,1,2,2,-Tetrachloroethane	4	ND
TVH	Total Volatile Hydrocarbons	200	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 116% D8-Toluene: 124% 4-BromoFluorobenzene: 108%

GD\VW02

MAY 16 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61345 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-13-91 DILUTION FACTOR: 1
SITE: T.B.
DATE COLLECTED: 05-13-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 112% D8-Toluene: 116% 4-BromoFluorobenzene: 108%

GD\VW01

State of Vermont

AGENCY OF HUMAN SERVICES

VERMONT DEPARTMENT OF HEALTH
Division of Environmental Health
60 Main Street, P.O. Box 70
Burlington, Vermont 05402
Telephone: (802) 863-7220

June 18, 1991

5/15/91

Mr. Ned Battey
Chelsea Water Department
Chelsea, VT 05038

JUN 19 1991

RE: Volatile Organic Compound Results

Dear Mr. Battey:

Samples of your drinking water were recently collected by the Vermont Department of Health to test for Volatile Organic Chemicals [VOC's]. Enclosed is a copy of the laboratory result form[s]. VOC's were detected in your water sample, additional sampling will be taken.

Please call me at: 1-800-439-8550 or 863-7220, should you have any questions.

Sincerely,

Philip L. Jones

Philip L. Jones
Hydrogeologist

PLJ:cjs

Enclosure[s]

cc: Richard Spiese, DEC
Steve Revell, Lincoln Applied Geology

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0910 ANALYST: JFH ANALYSIS DATE: 05/15/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS PWS

WSID 5 6138

'91 MAY 9 AM

SPECIFIC SAMPLE LOCATION Monitoring Well #2

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL _____

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- ☐ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☒ OTHER Monitoring Well

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE 5-8-91

TIME 1:20 O'CLOCK AM (PM)

REMARKS BY SAMPLER

REMARKS BY LABORATORY HCl

L - MAXIMUM CONTAMINANT LEVEL
ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
V91-0910	___.___		___.___

REC'D V91 0910 TIME DATE REPORTED

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0957 ANALYST: JFH ANALYSIS DATE: 05/16/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS PWS

WSID 5638

SPECIFIC SAMPLE LOCATION Ron Allen

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☑ SPECIAL _____

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

'91 MAY 16 AM 9 08

TYPE OF SAMPLE
- ☐ SOURCE
- ☑ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE 5-15-91

TIME 10:50 O'CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY HCl

- MAXIMUM CONTAMINANT LEVEL
X ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

0957 .191-0952

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0955 ANALYST: JFH ANALYSIS DATE: 05/16/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.7 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

803-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Pre/rmt

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
- ___ MG/L FREE
- ___ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
- ___ LBS./DAY

DATE OF SAMPLE: 5-15-91

TIME: 10:30 O'CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl

'91 MAY 16 AM 9 29

- MAXIMUM CONTAMINANT LEVEL
- ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
1,1,2,2-TETRACHLOROETHANE	___.___		___.___
CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

0955 V91-0955

TIME

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0952 ANALYST: JFH ANALYSIS DATE: 05/16/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.2 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, Vt. 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 6638

SPECIFIC SAMPLE LOCATION: Well 2

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
- — MG/L FREE
- — MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
- — LBS./DAY

DATE OF SAMPLE: 5-15-91

TIME: 10:10 O'CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl

'91 MAY 16 AM 8 29

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

RV91-0952 V91-0952 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0953 ANALYST: JFH ANALYSIS DATE: 05/16/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.8 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, Vt. 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER-SUPPLY 863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Well 3

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE: 5-15-91

TIME: 10:15 O'CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl

'91 MAY 16 AM 8:28

L - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-0953 V91-0953 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0956 ANALYST: JFH ANALYSIS DATE: 05/23/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 5, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, Vt. 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

Chelsea

WATER SYSTEM NAME & ADDRESS PWS

WSID 5038

FIC SAMPLE ION post trmt

POSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [ ] SPECIAL _____

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

OF SAMPLE

- SOURCE
- DISTRIBUTION
- [ ] MAXIMUM RESIDENCE TIME
- [ ] NORMAL RESIDENCE TIME
- OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 5-15-91

TIME 10:35 O'CLOCK AM PM

RKS BY SAMPLER Heavily chlorinated

REMARKS BY LABORATORY HCl

'91 MAY 16 AM 9 2

- MAXIMUM CONTAMINANT LEVEL
- NALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
1,1,1-TRICHLOROETHANE	___.___		___.___
1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
1,1,2,2-TETRACHLOROETHANE	___.___		___.___
CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

0956 Validated

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0954 ANALYST: JFH ANALYSIS DATE: 05/16/911

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: May 27, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Well 4

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
- — MG/L FREE
- — MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
- — LBS./DAY

DATE OF SAMPLE: 5-15-91

TIME: 10:20 O'CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl
1 sample has numerous bubbles - rejected!

'91 MAY 16 AM 9

MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

0954 V91-0954 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-0956 ANALYST: JFH ANALYSIS DATE: 05/23/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 5, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5038

SPECIFIC SAMPLE LOCATION: post trmt

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
- ___ MG/L FREE
- ___ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
___ LBS./DAY

DATE OF SAMPLE: 5-15-91

TIME: 10:35 O'CLOCK AM PM

'91 MAY 16 AM 9 2

REMARKS BY SAMPLER: Heavily chlorinated

REMARKS BY LABORATORY: HCl

. - MAXIMUM CONTAMINANT LEVEL

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

EOK ANALYSES REQUESTED

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

1-0956 V91-0956

TIME

DATE REPORTED

00000 00000

00000 00000

MAY 22 1991

MAY 30 1991

DEPT. OF ENVIRONMENTAL CONSERVATION LAB MANAGEMENT SYSTEM

REGULAR SAMPLE LOG-IN

SUBMITTED BY: C SCHWER PHONE: 244-8702 DATE COLLECTED: 05/20/91

REQUIRED COMPLETION DATE: 06/04/91 DATE SUBMITTED: 05/20/91

PROGRAM CODE: 042 REPORT RESULTS TO: C SCHWER

LEGAL SAMPLE (Y/N): N AMBIENT WATER SAMPLE (Y/N): Y

***** TESTS REQUESTED *****

Chelsea

C-4W

***** SAMPLES SUBMITTED FOR TESTS *****

LAB ID	SOURCE LOCATION	LAB ID	SOURCE LOCATION
61463	TB	61464	SYS EFF
61465	DW-3	61466	MW-2
61467	MW-7 30 ppb MTBE	00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	

MAY 22 1991

00000 00000

00000 00000

MAY 30 1991

DEPT. OF ENVIRONMENTAL CONSERVATION LAB MANAGEMENT SYSTEM

REGULAR SAMPLE LOG-IN

SUBMITTED BY: C SCHWER PHONE: 244-8702 DATE COLLECTED: 05/20/91

REQUIRED COMPLETION DATE: 06/04/91 DATE SUBMITTED: 05/20/91

PROGRAM CODE: 042 REPORT RESULTS TO: C SCHWER

LEGAL SAMPLE (Y/N): N AMBIENT WATER SAMPLE (Y/N): Y

***** TESTS REQUESTED *****

Chelsea

[illegible]4W

***** SAMPLES SUBMITTED FOR TESTS *****

LAB ID	SOURCE LOCATION	LAB ID	SOURCE LOCATION
61463	TB	61464	SYS EFF
61465	DW-3	61466	MW-2
61467	MW-7 30 ppb MTBE	00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	

MAY 29 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61463 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-21-91 DILUTION FACTOR: 1
SITE: T.B.
DATE COLLECTED: 05-20-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 96% D8-Toluene: 94% 4-BromoFluorobenzene: 82%

GD\VW01

MAY 29 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 61464 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-21-91 DILUTION FACTOR: 1
SITE: Sys. Eff.
DATE COLLECTED: 05-20-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 96% D8-Toluene: 90% 4-BromoFluorobenzene: 80%

GD\VW01

MAY 29 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61465 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-21-91 DILUTION FACTOR: 1
SITE: DW-3
DATE COLLECTED: 05-20-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 98% D8-Toluene: 86% 4-BromoFluorobenzene: 76%

GD\VW01

MAY 29 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61466 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 05-21-91 DILUTION FACTOR: 1
SITE: MW-2
DATE COLLECTED: 05-20-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 100% D8-Toluene: 86% 4-BromoFluorobenzene: 78%

GD\VW01

MAY 29 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 61467 ANALYST: SRL REMARKS CODE 824W: S
DATE RUN: 05-21-91 DILUTION FACTOR: 2
SITE: MW7
DATE COLLECTED: 05-20-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinylchloride	20	ND
VW08	Chloromethane	20	ND
VW09	Bromomethane	20	ND
VW10	Chloroethane	20	ND
VW11	Trichlorofluoromethane	20	ND
VW12	Acetone	100	ND
VW13	1,1-Dichloroethene	4	ND
VW14	Carbondisulfide	4	ND
VW15	Methylene Chloride	4	ND
VW16	Methyl-t-Butylether (MTBE)	20	30 E
VW17	1,2-Dichloroethene	4	ND
VW18	1,1-Dichloroethane	4	ND
VW19	Vinyl Acetate	100	ND
VW20	2-Butanone	100	ND
VW21	Chloroform	4	ND
VW22	1,1,1-Trichloroethane	4	ND
VW23	Carbon Tetrachloride	4	ND
VW24	Benzene	4	ND
VW25	1,2-Dichloroethane	4	ND
VW26	Trichloroethene	4	ND
VW27	1,2-Dichloropropane	4	ND
VW28	Bromodichloromethane	4	ND
VW29	4-Methyl-2-Pentanone	40	ND
VW30	Cis-1,3-Dichloropropene	4	ND
VW31	Toluene	4	ND
VW32	Trans-1,3-Dichloropropene	4	ND
VW33	1,1,2-Trichloroethane	4	ND
VW34	2-Hexanone	40	ND
VW35	Tetrachloroethene	4	ND
VW36	Dibromochloromethane	4	ND
VW37	Chlorobenzene	4	ND
VW38	Ethylbenzene	4	ND
VW39	Xylenes	4	ND
VW40	Styrene	4	ND
VW41	Bromoform	4	ND
VW42	1,1,2,2,-Tetrachloroethane	4	ND
TVH	Total Volatile Hydrocarbons	200	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 98% D8-Toluene: 82% 4-BromoFluorobenzene: 74%

GD\VW02

State of Vermont

AGENCY OF HUMAN SERVICES

VERMONT DEPARTMENT OF HEALTH
Division of Environmental Health
60 Main Street, P.O. Box 70
Burlington, Vermont 05402
Telephone: (802) 863-7220

July 3, 1991

5/23/91

Mr. Ned Battey
Chelsea Water Department
Chelsea, VT 05038

RE: Volatile Organic Compound Results

Dear Mr. Battey:

Samples of your drinking water were recently collected by the Vermont Department of Health to test for Volatile Organic Chemicals [VOC's]. Enclosed is a copy of the laboratory result form[s]. VOC's were detected in your water sample, additional sampling will be taken.

Please call me at: 1-800-439-8550, should you have any questions.

Sincerely,

Philip L. Jones
Hydrogeologist

PLJ:cjs

cc: Richard Spiese, DEC
Steve Revell, Lincoln Applied Geology

Enclosure[s]

JUL 6 1991
AUG 27 1991

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1020 ANALYST: JFH ANALYSIS DATE: 05/24/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.6 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 3, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: S 6

SPECIFIC SAMPLE LOCATION: well #2

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/23/91

TIME: 9:30 O'CLOCK AM PM

REMARKS BY SAMPLER: gas leak investigation

REMARKS BY LABORATORY: HCl
3 samples submitted
1 sample rejected - contained bubbles

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

LAB NUMBER: V91-1020 V91-1020

TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1019 ANALYST: JFH ANALYSIS DATE: 05/24/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	2.1 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compound includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 3, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: well # 3

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL _____

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
- _____ MG/L FREE
- _____ MG/L TOTAL

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
- _____ LBS./DAY

DATE OF SAMPLE: 5/23/91

TIME: 9:32 O'CLOCK AM PM

REMARKS BY SAMPLER: gas leak

REMARKS BY LABORATORY: HCl

'91 MAY 24 AM 7 53

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-1019 V91-1019

TIME _____ DATE REPORTED _____

LABORATORY DIRECTOR

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1018 ANALYST: JFH ANALYSIS DATE: 05/24/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	0.9 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compound includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 3, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

803-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: well # 4

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/23/91

TIME: 9:35 O'CLOCK AM PM

'91 MAY 24 AM 7 53

REMARKS BY SAMPLER: gas leak

REMARKS BY LABORATORY: HCl
3 samples submitted
1 sample rejected - contai bubble

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

LAB REPORT NUMBER: V91-1018 V91-1018

TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laborator
195 Colchester Ave
PO Box 7
Burlington, VT 05402-007
(802) 863-733

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1016 ANALYST: JFH ANALYSIS DATE: 05/24/91

Compound(s) Found	Amount(ppb)
Methyl tert-butyl ether	1.7 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compound includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 3, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

803-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: S63

SPECIFIC SAMPLE LOCATION: pre-treatment

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL _____

SAMPLER NAME & TITLE: P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

'91 MAY 24 AM 53

TYPE OF SAMPLE
- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/23/91

TIME: 10:55 O'CLOCK AM PM

REMARKS BY SAMPLER: gas leak

REMARKS BY LABORATORY: HCl
3 samples submitted
1 sample rejected - contained bubble.

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-1016 V91-1016 TIME _____ DATE REPORTED _____

NUMBER _____ LABORATORY DIRECTOR

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1017 ANALYST: JFH ANALYSIS DATE: 05/24/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 3, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

803-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5631

SPECIFIC SAMPLE LOCATION: post-treatment

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
- ____ MG/L FREE
- ____ MG/L TOTAL

TYPE OF SAMPLE
- ☐ SOURCE
- ☒ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER ____

PRE-CHLORINATION
____ LBS./DAY

DATE OF SAMPLE: 5/23/91

TIME: 10:58 O'CLOCK AM PM

REMARKS BY SAMPLER: gas leak

REMARKS BY LABORATORY: HCl. 3 sample submitted 1 sample rejected - contained bubble

'91 MAY 24 AM 7 53

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91 1017 V91-1017 TIME ____ DATE REPORTED ____

NUMBER

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1015 ANALYST: JFH ANALYSIS DATE: 05/24/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compound includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 3, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

803-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 563

SPECIFIC SAMPLE LOCATION: Allen residence

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/23/91

TIME: 10:12 O'CLOCK AM

REMARKS BY SAMPLER: gas leak

REMARKS BY LABORATORY: HCl

'91 MAY 24 AM 9:58

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

LAB NUMBER: V91-1015 V91-1015 TIME _____ DATE REPORTED _____

LABORATORY DIRECTOR

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

5/29/91

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1051 ANALYST: JFH ANALYSIS DATE: 05/29/91

Compound(s) Found	Amount(ppb)
Methyl tert butyl ether	1.7 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 6, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

803-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: well 2

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [x] MAXIMUM THM POTENTIAL
- [ ] SPECIAL _____

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/28/91

TIME: 9:00 O'CLOCK (AM)

REMARKS BY SAMPLER

REMARKS BY LABORATORY
HCl 3 sample submitted
1 sample rejected
contained bubble

'91 MAY 29 AM 11 09

MAXIMUM CONTAMINANT LEVEL

ANALYSES REQUESTED — LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

91 1051 VA1-1051

TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1055 ANALYST: JFH ANALYSIS DATE: 05/29/91

Compound(s) Found	Amount(ppb)
Methyl tert butyl ether	2.1 =/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 5, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

803-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 563

SPECIFIC SAMPLE LOCATION: well 3

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/29/91

TIME: 9:55 O'CLOCK (AM) PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY
HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

V91-1055 V91-1055
NUMBER

TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1056 ANALYST: JFH ANALYSIS DATE: 05/29/91

Compound(s) Found	Amount(ppb)
Methyl tert butyl ether	0.5 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 5, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

803-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Well 4

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/29/91

TIME: 9:50 O'CLOCK (AM) PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl

MAXIMUM CONTAMINANT LEVEL ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM(E) = PARTS PER MILLION(

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

91-1056 V91-1056 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1053 ANALYST: JFH ANALYSIS DATE: 05/29/91

Compound(s) Found	Amount(ppb)
Methyl tert butyl ether	2.0 +/- 0.7

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 5, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5637

SPECIFIC SAMPLE LOCATION: Pre-Treatment

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/29/91

TIME: 9:10 O'CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl

MCL = MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

1053 V91-1053

TIME _____ DATE REPORTED _____

91 MAY 29 AM 11 09

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1054 ANALYST: JFH ANALYSIS DATE: 05/29/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 5, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN Chelsea	WATER SYSTEM NAME & ADDRESS Chelsea PWS	WSID 5638

SPECIFIC SAMPLE LOCATION Post-Treatment

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL _____

SAMPLER NAME & TITLE P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

91 MAY 29 AM 11 09

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 5/29/91
TIME 9:15 O'CLOCK (AM) PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY
HCl

K - MAXIMUM CONTAMINANT LEVEL
CK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	____.____	☐ METHYLENE CHLORIDE	____.____
☐ CHLOROFORM	____.____	☐ BENZENE	____.____
☐ DIBROMOCHLOROMETHANE	____.____	☐ TOLUENE	____.____
☐ BROMODICHLOROMETHANE	____.____	☐ XYLENES	____.____
☐ BROMOFORM	____.____	☐ CHLORO BENZENE	____.____
☐ TRICHLOROETHYLENE	____.____	☐ ETHYL BENZENE	____.____
☐ TETRACHLOROETHYLENE	____.____	☐ 1,2-DICHLOROETHENE	____.____
	____.____	☐	____.____
	____.____	☐ 1,1-DICHLOROETHANE	____.____
☐ 1,1,1-TRICHLOROETHANE	____.____		____.____
☐ 1,2-DICHLOROETHANE	____.____		____.____
	____.____		____.____
☐ 1,1,2,2-TETRACHLOROETHANE	____.____		____.____
☐ CARBON TETRACHLORIDE	____.____		____.____
	____.____		____.____

V91-1054 V91-1054 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1052 ANALYST: JFH ANALYSIS DATE: 05/29/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 5, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, Vt 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Allen residence

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 5/29/91

TIME: 9:28 O'CLOCK (AM) PM

'91 MAY 29 AM 11 00

REMARKS BY SAMPLER: on 3" PVC water main

REMARKS BY LABORATORY: HCl

* - MAXIMUM CONTAMINANT LEVEL
2. OK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

91 1052 V91-1052 TIME _____ DATE REPORTED _____

JUN 14 1991

DEPT. OF ENVIRONMENTAL CONSERVATION LAB MANAGEMENT SYSTEM

REGULAR SAMPLE LOG-IN

SUBMITTED BY: J/ROBIDEAU PHONE: 453-4384 DATE COLLECTED: 06/03/91

REQUIRED COMPLETION DATE: 06/04/91 DATE SUBMITTED: 06/03/91

PROGRAM CODE: 042 REPORT RESULTS TO: R/SPIESE

LEGAL SAMPLE (Y/N): N AMBIENT WATER SAMPLE (Y/N): Y

***** TESTS REQUESTED *****

8240

***** SAMPLES SUBMITTED FOR TESTS *****

LAB ID	SOURCE LOCATION	LAB ID	SOURCE LOCATION
61823	CAMPBELLS MW-7 18ppb MTBE	61824	CAMPBELLS MW-2
61825	CAMPBELLS DW-3	61826	CAMPBELLS DW EFFLUENT
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	

JUN 11 199

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61823
DATE RUN: 06-03-91
SITE: Campbell MW7
DATE COLLECTED: 06-03-91

ANALYST: LVV
DILUTION FACTOR: 1

REMARKS CODE 824W: S

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	18 E
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 102% D8-Toluene: 102% 4-BromoFluorobenzene: 104%

GD\VW01

JUN 11 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61824 ANALYST: LVV REMARKS CODE 824W: Z
DATE RUN: 06-03-91 DILUTION FACTOR: 1
SITE: MW2
DATE COLLECTED: 06-03-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 102% D8-Toluene: 104% 4-BromoFluorobenzene: 104%

GD\VW01

JUN 11 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61825 ANALYST: LVV REMARKS CODE 824W: Z
DATE RUN: 06-03-91 DILUTION FACTOR: 1
SITE: DW3
DATE COLLECTED: 06-03-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 102% D8-Toluene: 104% 4-BromoFluorobenzene: 104%

GD\VW01

JUN 11 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 61826 ANALYST: LVV REMARKS CODE 824W: Z
DATE RUN: 06-03-91 DILUTION FACTOR: 1
SITE: Effluent
DATE COLLECTED: 06-03-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 102% D8-Toluene: 106% 4-BromoFluorobenzene: 106%

GD\VW01

JUN 11 199

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 61839
DATE RUN: 06-03-91
SITE: TB
DATE COLLECTED: 06-03-91

ANALYST: SRL
DILUTION FACTOR: 1

REMARKS CODE 824W: Z

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....

1,2-Dichloroethane - D4: 98% D8-Toluene: 106% 4-BromoFluorobenzene: 102%

GD\VW01

State of Vermont

AGENCY OF HUMAN SERVICES

6/6/91

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1088 ANALYST: JFH ANALYSIS DATE: 06/11/91

Compound(s) Found	Amount(ppb)
Methyl tert-buryl ether	1.5 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 18, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

91 JUN 6 PM 4 20

TOWN Chelsea	WATER SYSTEM NAME & ADDRESS PWS	WSID 5638
SPECIFIC SAMPLE LOCATION Well 2		

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL _____

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE 6/6/91
TIME 2:15 O'CLOCK AM (PM)

REMARKS BY SAMPLER

REMARKS BY LABORATORY
HCl 3 specimens received
1 specimen rejected - Contained bubble

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91- 1088 V91-1088 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1089 ANALYST: JFH ANALYSIS DATE: 06/11/91

Compound(s) Found	Amount(ppb)
Methyl tert-buryl ether	1.4 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 18, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS | WSID 5638

SPECIFIC SAMPLE LOCATION Well 3 (three)

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE 6/6/91

TIME 2:20 O'CLOCK AM (PM)

REMARKS BY SAMPLER

REMARKS BY LABORATORY
HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-1089

DATE V91-1089 TIME ____ DATE REPORTED ____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1090 ANALYST: JFH ANALYSIS DATE: 06/11/91

Compound(s) Found	Amount(ppb)
Methyl tert-buryl ether	1.8 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 18, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS | WSID 5638

SPECIFIC SAMPLE LOCATION Well 4

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE 6/6/91

TIME 2:25 O'CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY
HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91- 1090 1091-1090 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1086 ANALYST: JFH ANALYSIS DATE: 06/11/91

Compound(s) Found	Amount(ppb)
Methyl tert-buryl ether	1.9 +/- 0.6

COMMENTS: Results of tests for all other compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 18, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN Chelsea | WATER SYSTEM NAME & ADDRESS PWS | WSID 5638

SPECIFIC SAMPLE LOCATION pre-trmt

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE 6/6/91

TIME 2:30 O'CLOCK AM (PM)

REMARKS BY SAMPLER

REMARKS BY LABORATORY
HCl

JUN 6 PM 4 20

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-1086 V91-1086 TIME ___ DATE REPORTED ___

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1087 ANALYST: JFH ANALYSIS DATE: 06/11/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)		
Benzene	(0.6)	cis-1,2-Dichloroethene	(0.7)
Bromobenzene	(0.7)	1,2-Dichloropropane	(0.7)
Bromodichloromethane	(0.5)	2,2-Dichloropropane	(3.6)
Bromoform	(0.5)	1,3-Dichloropropane	(0.5)
Bromomethane	(1.0)	1,1-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	cis-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorodibromomethane	(1.0)	Methylene chloride	(1.8)
Chloroethane	(1.0)	Ethylbenzene	(0.5)
Chloroform	(0.5)	Styrene	(0.5)
Chloromethane	(1.0)	1,1,1,2-Tetrachloroethane	(0.5)
2-Chlorotoluene	(0.5)	1,1,2,2-Tetrachloroethane	(1.1)
4-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
Dibromomethane	(0.6)	1,1,1-Trichloroethane	(0.5)
m-Dichlorobenzene	(0.5)	1,1,2-Trichloroethane	(0.6)
o-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
p-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
1,1-Dichloroethane	(0.8)	Toluene	(0.5)
1,2-Dichloroethane	(0.5)	Vinyl chloride	(0.5)
1,1-Dichloroethene	(0.5)	m+p-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)	o-Xylene	(0.5)

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 18, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

#63-7335

TOWN Chelsea

WATER SYSTEM NAME & ADDRESS PWS

PWSID 5638

SPECIFIC SAMPLE LOCATION post trmt

PURPOSE OF SAMPLE

- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE P Fleckenstein

CURRENT CHLORINE RESIDUAL

_____ MG/L FREE

_____ MG/L TOTAL

TYPE OF SAMPLE

- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION

_____ LBS./DAY

DATE OF SAMPLE 6/6/91

TIME 2:40 O'CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY

HCl

MCL - MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPB = PARTS PER BILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] cis-1,2-DICHLOROETHENE	___.___
[ ] Styrene	___.___	[ ] p-dichlorobenzene	___.___
[ ] 1,1,2-trichloroethane	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

/91-1087 V91-1087

TIME _____ DATE REPORTED _____

LABORATORY DIRECTOR _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

6/6/91

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER: V91-1085 ANALYST: JFH ANALYSIS DATE: 06/11/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.5)	cis-1,2-Dichloroethene	(0.7)
Benzene	(0.6)	1,2-Dichloropropane	(0.7)
Bromobenzene	(0.7)	2,2-Dichloropropane	(3.6)
Bromodichloromethane	(0.5)	1,3-Dichloropropane	(0.5)
Bromoform	(0.5)	1,1-Dichloropropene	(0.5)
Bromomethane	(1.0)	cis-1,3-Dichloropropene	(0.5)
Carbon tetrachloride	(0.5)	trans-1,3-Dichloropropene	(0.5)
Chlorobenzene	(0.5)	Methylene chloride	(1.8)
Chlorodibromomethane	(1.0)	Ethylbenzene	(0.5)
Chloroethane	(1.0)	Styrene	(0.5)
Chloroform	(0.5)	1,1,1,2-Tetrachloroethane	(0.5)
Chloromethane	(1.0)	1,1,2,2-Tetrachloroethane	(1.1)
2-Chlorotoluene	(0.5)	Tetrachloroethylene	(0.6)
4-Chlorotoluene	(0.5)	1,1,1-Trichloroethane	(0.5)
Dibromomethane	(0.6)	1,1,2-Trichloroethane	(0.6)
m-Dichlorobenzene	(0.5)	Trichloroethylene	(0.5)
o-Dichlorobenzene	(0.5)	1,2,3-Trichloropropane	(1.1)
p-Dichlorobenzene	(0.5)	Toluene	(0.5)
1,1-Dichloroethane	(0.8)	Vinyl chloride	(0.5)
1,2-Dichloroethane	(0.5)	m+p-Xylene	(0.5)
1,1-Dichloroethene	(0.5)	o-Xylene	(0.5)
trans-1,2-Dichloroethene	(0.5)		

MDL=Current Method Detection Limit in ppb (parts per billion) (micrograms/liter)

Date of Report: June 18, 1991 Method: EPA Method 524.2 (GC/MS)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I. V.S.A. 315 and following sections).

MDL's updated 04/11/91

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: Ron Allen

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P Fleckenstein

CURRENT CHLORINE RESIDUAL
— MG/L FREE
— MG/L TOTAL

'91 JUN 6 PM

TYPE OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER

PRE-CHLORINATION
— LBS./DAY

DATE OF SAMPLE: 6/6/91

TIME: 2:50 CLOCK AM PM

REMARKS BY SAMPLER

REMARKS BY LABORATORY: HCl

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPB = PARTS PER BILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] cis-1,2-DICHLOROETHENE	___.___
[ ] Styrene	___.___	[ ] p-dichlorobenzene	___.___
[ ] 1,1,2-trichloroethane	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

DATE REPORTED: 1/91-1085

TIME

DATE REPORTED

LABORATORY DIRECTOR

V91-1085

JUN 19 1991

DEPT. OF ENVIRONMENTAL CONSERVATION LAB MANAGEMENT SYSTEM

REGULAR SAMPLE LOG-IN

SUBMITTED BY: J/ROBIDEAU PHONE: 453-4384 DATE COLLECTED 06/10/91

REQUIRED COMPLETION DATE: 06/11/91 DATE SUBMITTED: 06/10/91

PROGRAM CODE: 042 REPORT RESULTS TO: R/SPEISE

LEGAL SAMPLE (Y/N) AMBIENT WATER SAMPLE

***** TESTS REQUESTED *****

024W

***** SAMPLES SUBMITTED FOR TESTS *****

LAB ID	SOURCE LOCATION	LAB ID	SOURCE LOCATION
62023	CAMPBELLS MW-2	62024	CAMPBELLS-MW7 17ppb MTBE
62025	CAMPBELLS DW-2	62026	CAMPBELLS EFFLUENT-DW
62027	CAMPBELLS TRIP	00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 62023 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 06-10-91 DILUTION FACTOR: 1
SITE: Campbell's MW-2
DATE COLLECTED: 06-10-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 112% D8-Toluene: 100% 4-BromoFluorobenzene: 104%

GD\VW01

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 62024 ANALYST: SRL REMARKS CODE 824W: S
DATE RUN: 06-10-91 DILUTION FACTOR: 1
SITE: MW7
DATE COLLECTED: 06-10-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	17 E
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 106% D8-Toluene: 94% 4-BromoFluorobenzene: 98%

GD\VW01

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 62025
DATE RUN: 06-10-91
SITE: DW-2
DATE COLLECTED: 06-10-91

ANALYST: SRL
DILUTION FACTOR: 1

REMARKS CODE 824W: Z

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 110% D8-Toluene: 98% 4-BromoFluorobenzene: 100%

GD\VW01

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 62026 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 06-10-91 DILUTION FACTOR: 1
SITE: Eff. DW
DATE COLLECTED: 06-10-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 108% D8-Toluene: 96% 4-BromoFluorobenzene: 100%

GD\VW01

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 62027 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 06-10-91 DILUTION FACTOR: 1
SITE: TB
DATE COLLECTED: 06-10-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 108% D8-Toluene: 98% 4-BromoFluorobenzene: 100%

GD\VW01

State of Vermont

AGENCY OF HUMAN SERVICES

VERMONT DEPARTMENT OF HEALTH
Division of Environmental Health
60 Main Street, P.O. Box 70
Burlington, Vermont 05402
Telephone: (802) 863-7220

JUL 9 1991

July 8, 1991

6/14/91

Mr. Ned Battey
Chelsea Water Department
Chelsea, VT 05038

RE: Volatile Organic Compound Results

Dear Mr. Battey:

Samples of your drinking water were recently collected by the Vermont Department of Health to test for Volatile Organic Chemicals [VOC's]. Enclosed is a copy of the laboratory result form[s]. VOC's were detected in your water sample, additional sampling will be taken.

Please call me at: 1-800-439-8550 or 863-7220, should you have any questions.

Sincerely,

Philip L. Jones

Philip L. Jones
Hydrogeologist

PLJ:cjs

Enclosure[s]

cc: Richard Spiese, DEC
Steve Revell, Lincoln Applied Geology

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER:V91-1153 ANALYST: LTA ANALYSIS DATE: 06/18/91

COMPOUND(S) FOUND	Amount (ppb)
Methyl tert-butyl ether	1.5 +/- 0.5

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.3)		
Benzene	(0.2)	1,2-Dichloropropane	(0.2)
Bromobenzene	(0.7)	2,2-Dichloropropane	(1.4)
Bromodichloromethane	(1.2)	1,3-Dichloropropane	(0.4)
Bromoform	(1.2)	1,1-Dichloropropene	(0.8)
Carbon tetrachloride	(0.6)	cis-1,3-Dichloropropene	(1.1)
Chlorobenzene	(0.4)	trans-1,3-Dichloropropene	(0.3)
Chlorodibromomethane	(1.7)	Methylene chloride	(2.2)
Chloroform	(1.4)	Ethylbenzene	(0.3)
2-Chlorotoluene	(0.3)	Styrene	(0.1)
4-Chlorotoluene	(0.4)	1,1,1,2-Tetrachloroethane	(1.1)
Dibromomethane	(2.7)	1,1,2,2-Tetrachloroethane	(1.0)
m-Dichlorobenzene	(1.0)	Tetrachloroethylene	(0.7)
o-Dichlorobenzene	(1.0)	1,1,1-Trichloroethane	(0.6)
p-Dichlorobenzene	(0.8)	1,1,2-Trichloroethane	(2.2)
1,1-Dichloroethane	(0.6)	Trichloroethylene	(0.5)
1,2-Dichloroethane	(1.1)	1,2,3-Trichloropropane	(0.3)
1,1-Dichloroethene	(1.9)	Toluene	(0.5)
trans-1,2-Dichloroethene	(0.3)	m+p-Xylene	(0.4)
cis-1,2-Dichloroethene	(0.7)	o-Xylene	(0.3)

MDL=Current Method Detection Limit in ppb (parts/billion) (micrograms/liter)

Date of Report: July 1, 1991 Method: VDH Screen Method (GC/FID)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (1 V.S.A. 315 and following sections).

MDL's updated 06/04/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: well 2

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE: P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

'91 JUN 14 PM 2 45

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 6/14/91

TIME: 10:40 O'CLOCK (AM) PM

REMARKS BY SAMPLER: gas leak

REMARKS BY LABORATORY: HCl

ML – MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91- 1153 V91-1153 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER:V91-1154 ANALYST: LTA ANALYSIS DATE: 06/18/91

COMPOUND(S) FOUND	Amount (ppb)
Methyl tert-butyl ether	1.5 +/- 0.5

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.3)		
Benzene	(0.2)	1,2-Dichloropropane	(0.2)
Bromobenzene	(0.7)	2,2-Dichloropropane	(1.4)
Bromodichloromethane	(1.2)	1,3-Dichloropropane	(0.4)
Bromoform	(1.2)	1,1-Dichloropropene	(0.8)
Carbon tetrachloride	(0.6)	cis-1,3-Dichloropropene	(1.1)
Chlorobenzene	(0.4)	trans-1,3-Dichloropropene	(0.3)
Chlorodibromomethane	(1.7)	Methylene chloride	(2.2)
Chloroform	(1.4)	Ethylbenzene	(0.3)
2-Chlorotoluene	(0.3)	Styrene	(0.1)
4-Chlorotoluene	(0.4)	1,1,1,2-Tetrachloroethane	(1.1)
Dibromomethane	(2.7)	1,1,2,2-Tetrachloroethane	(1.0)
m-Dichlorobenzene	(1.0)	Tetrachloroethylene	(0.7)
o-Dichlorobenzene	(1.0)	1,1,1-Trichloroethane	(0.6)
p-Dichlorobenzene	(0.8)	1,1,2-Trichloroethane	(2.2)
1,1-Dichloroethane	(0.6)	Trichloroethylene	(0.5)
1,2-Dichloroethane	(1.1)	1,2,3-Trichloropropane	(0.3)
1,1-Dichloroethene	(1.9)	Toluene	(0.5)
trans-1,2-Dichloroethene	(0.3)	m+p-Xylene	(0.4)
cis-1,2-Dichloroethene	(0.7)	o-Xylene	(0.3)

MDL=Current Method Detection Limit in ppb (parts/billion) (micrograms/liter)

Date of Report: July 1, 1991 Method: VDH Screen Method (GC/FID)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I V.S.A. 315 and following sections).

MDL's updated 06/04/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, Vt. 05402-0070
863-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

TOWN: Chelsea

WATER SYSTEM NAME & ADDRESS: Chelsea PWS

WSID: 5638

SPECIFIC SAMPLE LOCATION: well 3

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 6/14/91

TIME: 10:35 O'CLOCK AM PM

'91 JUN 14 PM 2 45

REMARKS BY SAMPLER: Gas leak

REMARKS BY LABORATORY: HCl

L - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-1154

TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER:V91-1155 ANALYST: LTA ANALYSIS DATE: 06/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.3)		
Benzene	(0.2)	1,2-Dichloropropane	(0.2)
Bromobenzene	(0.7)	2,2-Dichloropropane	(1.4)
Bromodichloromethane	(1.2)	1,3-Dichloropropane	(0.4)
Bromoform	(1.2)	1,1-Dichloropropene	(0.8)
Carbon tetrachloride	(0.6)	cis-1,3-Dichloropropene	(1.1)
Chlorobenzene	(0.4)	trans-1,3-Dichloropropene	(0.3)
Chlorodibromomethane	(1.7)	Methylene chloride	(2.2)
Chloroform	(1.4)	Ethylbenzene	(0.3)
2-Chlorotoluene	(0.3)	Styrene	(0.1)
4-Chlorotoluene	(0.4)	1,1,1,2-Tetrachloroethane	(1.1)
Dibromomethane	(2.7)	1,1,2,2-Tetrachloroethane	(1.0)
m-Dichlorobenzene	(1.0)	Tetrachloroethylene	(0.7)
o-Dichlorobenzene	(1.0)	1,1,1-Trichloroethane	(0.6)
p-Dichlorobenzene	(0.8)	1,1,2-Trichloroethane	(2.2)
1,1-Dichloroethane	(0.6)	Trichloroethylene	(0.5)
1,2-Dichloroethane	(1.1)	1,2,3-Trichloropropane	(0.3)
1,1-Dichloroethene	(1.9)	Toluene	(0.5)
trans-1,2-Dichloroethene	(0.3)	m+p-Xylene	(0.4)
cis-1,2-Dichloroethene	(0.7)	o-Xylene	(0.3)

MDL=Current Method Detection Limit in ppb (parts/billion) (micrograms/liter)

Date of Report: July 1, 1991 Method: VDH Screen Method (GC/FID)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I V.S.A. 315 and following sections).

MDL's updated 06/04/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea | WATER SYSTEM NAME & ADDRESS: Chelsea PWS | WSID: 5638

SPECIFIC SAMPLE LOCATION: well 4

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL

SAMPLER NAME & TITLE: P. Dover

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 6/24/91
TIME 10:30 O'CLOCK (AM) PM

REMARKS BY SAMPLER
gas leak

REMARKS BY LABORATORY
HCl

'91 JUN 14 PM 2 25

MCL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___	_____	___.___
	___.___	_____	___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___	_____	___.___
[ ] CARBON TETRACHLORIDE	___.___	_____	___.___
	___.___	_____	___.___

V91-1155 V91-1155 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER:V91-1151 ANALYST: LTA ANALYSIS DATE: 06/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.3)		
Benzene	(0.2)	1,2-Dichloropropane	(0.2)
Bromobenzene	(0.7)	2,2-Dichloropropane	(1.4)
Bromodichloromethane	(1.2)	1,3-Dichloropropane	(0.4)
Bromoform	(1.2)	1,1-Dichloropropene	(0.8)
Carbon tetrachloride	(0.6)	cis-1,3-Dichloropropene	(1.1)
Chlorobenzene	(0.4)	trans-1,3-Dichloropropene	(0.3)
Chlorodibromomethane	(1.7)	Methylene chloride	(2.2)
Chloroform	(1.4)	Ethylbenzene	(0.3)
2-Chlorotoluene	(0.3)	Styrene	(0.1)
4-Chlorotoluene	(0.4)	1,1,1,2-Tetrachloroethane	(1.1)
Dibromomethane	(2.7)	1,1,2,2-Tetrachloroethane	(1.0)
m-Dichlorobenzene	(1.0)	Tetrachloroethylene	(0.7)
o-Dichlorobenzene	(1.0)	1,1,1-Trichloroethane	(0.6)
p-Dichlorobenzene	(0.8)	1,1,2-Trichloroethane	(2.2)
1,1-Dichloroethane	(0.6)	Trichloroethylene	(0.5)
1,2-Dichloroethane	(1.1)	1,2,3-Trichloropropane	(0.3)
1,1-Dichloroethene	(1.9)	Toluene	(0.5)
trans-1,2-Dichloroethene	(0.3)	m+p-Xylene	(0.4)
cis-1,2-Dichloroethene	(0.7)	o-Xylene	(0.3)

MDL=Current Method Detection Limit in ppb (parts/billion) (micrograms/liter)

Date of Report: July 1, 1991 Method: VDH Screen Method (GC/FID)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I V.S.A. 315 and following sections).

MDL's updated 06/04/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TOWN: Chelsea | WATER SYSTEM NAME & ADDRESS: Chelsea PWS | WSID: 5638

SPECIFIC SAMPLE LOCATION: Pre treatment

PURPOSE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL _____

SAMPLER NAME & TITLE: P. Jover

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- [x] SOURCE
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE: 6/14/91
TIME: 10:50 O'CLOCK (AM) PM

'91 JUN 14 PM 2 45

REMARKS BY SAMPLER: gas leak

REMARKS BY LABORATORY: HCl

MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

'91- 1151 V91-115 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER:V91-1152 ANALYST: LTA ANALYSIS DATE: 06/17/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.3)		
Benzene	(0.2)	1,2-Dichloropropane	(0.2)
Bromobenzene	(0.7)	2,2-Dichloropropane	(1.4)
Bromodichloromethane	(1.2)	1,3-Dichloropropane	(0.4)
Bromoform	(1.2)	1,1-Dichloropropene	(0.8)
Carbon tetrachloride	(0.6)	cis-1,3-Dichloropropene	(1.1)
Chlorobenzene	(0.4)	trans-1,3-Dichloropropene	(0.3)
Chlorodibromomethane	(1.7)	Methylene chloride	(2.2)
Chloroform	(1.4)	Ethylbenzene	(0.3)
2-Chlorotoluene	(0.3)	Styrene	(0.1)
4-Chlorotoluene	(0.4)	1,1,1,2-Tetrachloroethane	(1.1)
Dibromomethane	(2.7)	1,1,2,2-Tetrachloroethane	(1.0)
m-Dichlorobenzene	(1.0)	Tetrachloroethylene	(0.7)
o-Dichlorobenzene	(1.0)	1,1,1-Trichloroethane	(0.6)
p-Dichlorobenzene	(0.8)	1,1,2-Trichloroethane	(2.2)
1,1-Dichloroethane	(0.6)	Trichloroethylene	(0.5)
1,2-Dichloroethane	(1.1)	1,2,3-Trichloropropane	(0.3)
1,1-Dichloroethene	(1.9)	Toluene	(0.5)
trans-1,2-Dichloroethene	(0.3)	m+p-Xylene	(0.4)
cis-1,2-Dichloroethene	(0.7)	o-Xylene	(0.3)

MDL=Current Method Detection Limit in ppb (parts/billion) (micrograms/liter)

Date of Report: July 1, 1991 Method: VDH Screen Method (GC/FID)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I V.S.A. 315 and following sections).

MDL's updated 06/04/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070 803-7335

ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

WN Chelsea | WATER SYSTEM NAME & ADDRESS Chelsea PWS | WSID 5638

EC FIC SAMPLE CA.ION Post Treatment

RPOSE OF SAMPLE
- ROUTINE
- QUARTERLY
- MAXIMUM THM POTENTIAL
- SPECIAL _____

SAMPLER NAME & TITLE P. Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

PE OF SAMPLE
- SOURCE
- DISTRIBUTION
- MAXIMUM RESIDENCE TIME
- NORMAL RESIDENCE TIME
- OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 6/14/91
TIME 10:55 O'CLOCK AM PM

'91 JUN 14 PM 2 55

MARKS BY SAMPLER
gas leak

REMARKS BY LABORATORY
HCl

- MAXIMUM CONTAMINANT LEVEL
LABORATORY REPORT
MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

ANALYSES REQUESTED

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-1152 1/91/1152 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER:V91-1156 ANALYST: LTA ANALYSIS DATE: 06/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.3)		
Benzene	(0.2)	1,2-Dichloropropane	(0.2)
Bromobenzene	(0.7)	2,2-Dichloropropane	(1.4)
Bromodichloromethane	(1.2)	1,3-Dichloropropane	(0.4)
Bromoform	(1.2)	1,1-Dichloropropene	(0.8)
Carbon tetrachloride	(0.6)	cis-1,3-Dichloropropene	(1.1)
Chlorobenzene	(0.4)	trans-1,3-Dichloropropene	(0.3)
Chlorodibromomethane	(1.7)	Methylene chloride	(2.2)
Chloroform	(1.4)	Ethylbenzene	(0.3)
2-Chlorotoluene	(0.3)	Styrene	(0.1)
4-Chlorotoluene	(0.4)	1,1,1,2-Tetrachloroethane	(1.1)
Dibromomethane	(2.7)	1,1,2,2-Tetrachloroethane	(1.0)
m-Dichlorobenzene	(1.0)	Tetrachloroethylene	(0.7)
o-Dichlorobenzene	(1.0)	1,1,1-Trichloroethane	(0.6)
p-Dichlorobenzene	(0.8)	1,1,2-Trichloroethane	(2.2)
1,1-Dichloroethane	(0.6)	Trichloroethylene	(0.5)
1,2-Dichloroethane	(1.1)	1,2,3-Trichloropropane	(0.3)
1,1-Dichloroethene	(1.9)	Toluene	(0.5)
trans-1,2-Dichloroethene	(0.3)	m+p-Xylene	(0.4)
cis-1,2-Dichloroethene	(0.7)	o-Xylene	(0.3)

MDL=Current Method Detection Limit in ppb (parts/billion) (micrograms/liter)

Date of Report: July 1, 1991 Method: VDH Screen Method (GC/FID)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I V.S.A. 315 and following sections).

MDL's updated 06/04/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY 863-7335

TC Chelsea | WATER SYSTEM NAME & ADDRESS Chelsea PWS | WSID 5638

SPECIFIC SAMPLE LOCATION Allen - outside TAP

PURPOSE OF SAMPLE
- ☐ ROUTINE
- ☐ QUARTERLY
- ☐ MAXIMUM THM POTENTIAL
- ☒ SPECIAL _____

SAMPLER NAME & TITLE P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

TYPE OF SAMPLE
- ☒ SOURCE
- ☐ DISTRIBUTION
  - ☐ MAXIMUM RESIDENCE TIME
  - ☐ NORMAL RESIDENCE TIME
- ☐ OTHER _____

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 6/14/91
TIME _____ O'CLOCK AM PM

'91 JUN 14 PM 2 45

REMARKS BY SAMPLER
chlorinated
gas leak

REMARKS BY LABORATORY
HCl

CL - MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

☐ TOTAL TRIHALOMETHANES	___.___	☐ METHYLENE CHLORIDE	___.___
☐ CHLOROFORM	___.___	☐ BENZENE	___.___
☐ DIBROMOCHLOROMETHANE	___.___	☐ TOLUENE	___.___
☐ BROMODICHLOROMETHANE	___.___	☐ XYLENES	___.___
☐ BROMOFORM	___.___	☐ CHLORO BENZENE	___.___
☐ TRICHLOROETHYLENE	___.___	☐ ETHYL BENZENE	___.___
☐ TETRACHLOROETHYLENE	___.___	☐ 1,2-DICHLOROETHENE	___.___
	___.___	☐	___.___
	___.___	☐ 1,1-DICHLOROETHANE	___.___
☐ 1,1,1-TRICHLOROETHANE	___.___		___.___
☐ 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
☐ 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
☐ CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91-1156 1/91-1156 TIME _____ DATE REPORTED _____

State of Vermont

AGENCY OF HUMAN SERVICES

DEPARTMENT OF HEALTH
Laboratory
195 Colchester Ave.
PO Box 70
Burlington, VT 05402-0070
(802) 863-7335

ANALYSIS of WATER for VOLATILE ORGANIC COMPOUNDS

**********LABORATORY RESULTS**********

LAB NUMBER:V91-1157 ANALYST: LTA ANALYSIS DATE: 06/18/91

COMMENTS: Results of tests for all compounds listed below indicated that none were detected.

NOTE: See field form for sample information.
****

The analysis performed on the water samples for volatile organic compounds includes testing for the following:

COMPOUND	MDL	COMPOUND	MDL
Methyl tert-butyl ether	(0.3)		
Benzene	(0.2)	1,2-Dichloropropane	(0.2)
Bromobenzene	(0.7)	2,2-Dichloropropane	(1.4)
Bromodichloromethane	(1.2)	1,3-Dichloropropane	(0.4)
Bromoform	(1.2)	1,1-Dichloropropene	(0.8)
Carbon tetrachloride	(0.6)	cis-1,3-Dichloropropene	(1.1)
Chlorobenzene	(0.4)	trans-1,3-Dichloropropene	(0.3)
Chlorodibromomethane	(1.7)	Methylene chloride	(2.2)
Chloroform	(1.4)	Ethylbenzene	(0.3)
2-Chlorotoluene	(0.3)	Styrene	(0.1)
4-Chlorotoluene	(0.4)	1,1,1,2-Tetrachloroethane	(1.1)
Dibromomethane	(2.7)	1,1,2,2-Tetrachloroethane	(1.0)
m-Dichlorobenzene	(1.0)	Tetrachloroethylene	(0.7)
o-Dichlorobenzene	(1.0)	1,1,1-Trichloroethane	(0.6)
p-Dichlorobenzene	(0.8)	1,1,2-Trichloroethane	(2.2)
1,1-Dichloroethane	(0.6)	Trichloroethylene	(0.5)
1,2-Dichloroethane	(1.1)	1,2,3-Trichloropropane	(0.3)
1,1-Dichloroethene	(1.9)	Toluene	(0.5)
trans-1,2-Dichloroethene	(0.3)	m+p-Xylene	(0.4)
cis-1,2-Dichloroethene	(0.7)	o-Xylene	(0.3)

MDL=Current Method Detection Limit in ppb (parts/billion) (micrograms/liter)

Date of Report: July 1, 1991 Method: VDH Screen Method (GC/FID)

This is a public record. Information contained in this record may be used for statistical purposes, and may be released upon request, pursuant to Vermont access to public documents law (I V.S.A. 315 and following sections).

MDL's updated 06/04/91

Department of Health Laboratory
195 Colchester Ave., P.O. Box 70
Burlington, VT 05402-0070
ORGANIC CHEMICAL ANALYSIS OF PUBLIC WATER SUPPLY

863-7335

OW chelsea

WATER SYSTEM NAME & ADDRESS chelsea PWS

WSID 5638

PECIFIC SAMPLE OC TION ~~well~~

UR-USE OF SAMPLE
- [ ] ROUTINE
- [ ] QUARTERLY
- [ ] MAXIMUM THM POTENTIAL
- [x] SPECIAL ~~[illegible]~~

SAMPLER NAME & TITLE P Jones

CURRENT CHLORINE RESIDUAL
_____ MG/L FREE
_____ MG/L TOTAL

'91 JUN 14 PM 2 4

PL OF SAMPLE
- [x] ~~SOURCE~~
- [ ] DISTRIBUTION
  - [ ] MAXIMUM RESIDENCE TIME
  - [ ] NORMAL RESIDENCE TIME
- [ ] OTHER Trip blank.

PRE-CHLORINATION
_____ LBS./DAY

DATE OF SAMPLE 6/14/91

TIME _____ O'CLOCK AM/PM

MARKS BY SAMPLER

REMARKS BY LABORATORY
TRIP Blank was made 5/14/91

L MAXIMUM CONTAMINANT LEVEL
SOC ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

[ ] TOTAL TRIHALOMETHANES	___.___	[ ] METHYLENE CHLORIDE	___.___
[ ] CHLOROFORM	___.___	[ ] BENZENE	___.___
[ ] DIBROMOCHLOROMETHANE	___.___	[ ] TOLUENE	___.___
[ ] BROMODICHLOROMETHANE	___.___	[ ] XYLENES	___.___
[ ] BROMOFORM	___.___	[ ] CHLORO BENZENE	___.___
[ ] TRICHLOROETHYLENE	___.___	[ ] ETHYL BENZENE	___.___
[ ] TETRACHLOROETHYLENE	___.___	[ ] 1,2-DICHLOROETHENE	___.___
	___.___	[ ]	___.___
	___.___	[ ] 1,1-DICHLOROETHANE	___.___
[ ] 1,1,1-TRICHLOROETHANE	___.___		___.___
[ ] 1,2-DICHLOROETHANE	___.___		___.___
	___.___		___.___
[ ] 1,1,2,2-TETRACHLOROETHANE	___.___		___.___
[ ] CARBON TETRACHLORIDE	___.___		___.___
	___.___		___.___

V91- 1157 6/17/91 TIME _____ DATE REPORTED _____

00000 00000

00000 00000

Linda Applied Geology Inc.
received
6-22-91

DEPT. OF ENVIRONMENTAL CONSERVATION LAB MANAGEMENT SYSTEM

REGULAR SAMPLE LOG-IN

SUBMITTED BY: J/ROBIDEAU PHONE: 453-4384 DATE COLLECTED: 06/17/91

REQUIRED COMPLETION DATE: 06/18/91 DATE SUBMITTED: 06/17/91

PROGRAM CODE: 042 REPORT RESULTS TO: R/SPEIZE

LEGAL SAMPLE (Y/N) N AMBIENT WATER SAMPLE (Y/N) Y

***** TESTS REQUESTED *****

824W

***** SAMPLES SUBMITTED FOR TESTS *****

LAB ID	SOURCE LOCATION	LAB ID	SOURCE LOCATION
62184	CAMPBELLS-MW7 ~6ppb MTBE	62185	CAMPBELLS-MW2
62186	CAMPBELLS-DW3	62187	CAMPBELLSEFFLUENT-DW
00000		00000	
00000		00000	
00000		00000	
00000		00000	
00000		00000	

JUN 20 19

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 62184
DATE RUN: 06-17-91
SITE: Campbell's MW7
DATE COLLECTED: 06-17-91

ANALYST: SRL
DILUTION FACTOR: 1

REMARKS CODE 824W: Z

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 96% D8-Toluene: 100% 4-BromoFluorobenzene: 102%

GD\VW01

JUN 20 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - **WATER**

SAMPLE NUMBER: 62185
DATE RUN: 06-18-91
SITE: MW2
DATE COLLECTED: 06-17-91

ANALYST: SRL
DILUTION FACTOR: 1

REMARKS CODE 824W: Z

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 98% D8-Toluene: 88% 4-BromoFluorobenzene: 88%

GD\VW01

JUN 20 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 61286 ANALYST: SRL REMARKS CODE 824W: Z
DATE RUN: 06-17-91 DILUTION FACTOR: 1
SITE: DW3
DATE COLLECTED: 06-17-91

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 98% D8-Toluene: 104% 4-BromoFluorobenzene: 104%

GD\VW01

JUN 20 1991

VT. DEPT. ENVIRONMENTAL CONSERVATION LABORATORY
DATA SHEET FOR VOLATILE ORGANICS - WATER

SAMPLE NUMBER: 62187
DATE RUN: 06-17-91
SITE: Effluent
DATE COLLECTED: 06-17-91

ANALYST: SRL
DILUTION FACTOR: 1

REMARKS CODE 824W: Z

		Approximate Detection Limit ug/l	Detected at ug/l
VW07	Vinyl chloride	10	ND
VW08	Chloromethane	10	ND
VW09	Bromomethane	10	ND
VW10	Chloroethane	10	ND
VW11	Trichlorofluoromethane	10	ND
VW12	Acetone	50	ND
VW13	1,1-Dichloroethene	2	ND
VW14	Carbon disulfide	2	ND
VW15	Methylene chloride	2	ND
VW16	Methyl-t-Butylether (MTBE)	10	ND
VW17	1,2-Dichloroethene	2	ND
VW18	1,1-Dichloroethane	2	ND
VW19	Vinyl acetate	50	ND
VW20	2-Butanone	50	ND
VW21	Chloroform	2	ND
VW22	1,1,1-Trichloroethane	2	ND
VW23	Carbon tetrachloride	2	ND
VW24	Benzene	2	ND
VW25	1,2-Dichloroethane	2	ND
VW26	Trichloroethene	2	ND
VW27	1,2-Dichloropropane	2	ND
VW28	Bromodichloromethane	2	ND
VW29	4-Methyl-2-pentanone	20	ND
VW30	cis-1,3-Dichloropropene	2	ND
VW31	Toluene	2	ND
VW32	trans-1,3-Dichloropropene	2	ND
VW33	1,1,2-Trichloroethane	2	ND
VW34	2-Hexanone	20	ND
VW35	Tetrachloroethene	2	ND
VW36	Dibromochloromethane	2	ND
VW37	Chlorobenzene	2	ND
VW38	Ethylbenzene	2	ND
VW39	Xylenes	2	ND
VW40	Styrene	2	ND
VW41	Bromoform	2	ND
VW42	1,1,2,2,-Tetrachloroethane	2	ND
TVH	Total Volatile Hydrocarbons	100	ND

REMARKS.....

SURROGATE RECOVERIES.....
1,2-Dichloroethane - D4: 98% D8-Toluene: 104% 4-BromoFluorobenzene: 104%

GD\VW01

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: DW - 1
REF.#: 20,269
TIME SAMPLED: 9:40

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: DW 2
REF.#: 20,283
TIME SAMPLED: 9:12

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	TBQ [2]

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis
2 Trace below quantitation limit

Reviewed by _____

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: DW 3
REF.#: 20,284
TIME SAMPLED: 9:10

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	TBQ [2]

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis
2 Trace below quantition limit

Reviewed by _____

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: DW 4
REF.#: 20,285
TIME SAMPLED: 9:09

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by _____

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991 ANALYSIS DATE: June 12, 1991
SAMPLER: James Rabideau STATION: Influent DW
DATE SAMPLED: June 4, 1991 REF.#: 20,264
DATE RECEIVED: June 4, 1991 TIME SAMPLED: 9:24

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: Effluent Can #1 DW
REF.#: 20,265
TIME SAMPLED: 9:23

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: Effluent Can #2 DW
REF.#: 20,266
TIME SAMPLED: 9:25

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: MW 1
REF.#: 20,291
TIME SAMPLED: 11:10

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	TBQ [2]

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis
2 Trace below quantition limit

Reviewed by

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: MW 1 Duplicate
REF.#: 20,292
TIME SAMPLED: 11:12

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	TBQ [2]

JUN 26

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by _____

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: MW 2
REF.#: 20,271
TIME SAMPLED: 9:44

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: MW 4
REF.#: 20,290
TIME SAMPLED: 11:05

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by _____

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: MW 5
REF.#: 20,288
TIME SAMPLED: 10:50

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: MW 6
REF.#: 20,286
TIME SAMPLED: 10:40

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	8.32

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by _____

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: MW 7
REF.#: 20,272
TIME SAMPLED: 10:20

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	15.7

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: MW 8
REF.#: 20,273
TIME SAMPLED: 10:25

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: MW 9
REF.#: 20,287
TIME SAMPLED: 10:46

Parameter	Concentration (ug/L)
Benzene	17.0
Toluene	4.29
Ethylbenzene	ND [1]
Xylenes	24.5
MTBE	47.3

JUN 26 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 20

NOTES:

1 Compound not detected in analysis

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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: PW 1
REF.#: 20,274
TIME SAMPLED: 10:33

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	TBQ [2]
Ethylbenzene	ND
Xylenes	ND
MTBE	113.

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 16

NOTES:

1 Compound not detected in analysis
2 Trace below quantitation limits

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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: OW 1
REF.#: 20,289
TIME SAMPLED: 11:00

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 2 6 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: SP - 1
REF.#: 20,267
TIME SAMPLED: 9:28

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: SP - 2
REF.#: 20,268
TIME SAMPLED: 9:30

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by

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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: Bailer Blank
REF.#: 20,293
TIME SAMPLED: 11:20

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

Reviewed by _____

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LABORATORY REPORT

GC METHOD -- BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)

CLIENT: Lincoln Applied Geology
PROJECT NAME: Campbells
REPORT DATE: June 20, 1991
SAMPLER: James Rabideau
DATE SAMPLED: June 4, 1991
DATE RECEIVED: June 4, 1991

ANALYSIS DATE: June 12, 1991
STATION: Trip Blank
REF.#: 20,270
TIME SAMPLED: 9:36

Parameter	Concentration (ug/L)
Benzene	ND [1]
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
MTBE	ND

JUN 24 1991

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 Compound not detected in analysis

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